

Section 1

Project List and Locations

1A. Sediment Removal and Bank Stabilization Project List and Type

The following sediment removal and bank stabilization projects are anticipated for the 2013 maintenance season:

Zone 1A

- **Four Localized Sediment Removal Projects at:**
 - Brush Creek Reach 2 & Austin Creek 1: At confluence
 - Ducker Creek Reach 2: At double box culvert by Rinconada Drive
 - Roseland Creek Reach 1: At cattle crossings above Llano Road
 - Windsor Creek Reach 3/4: At culvert on Natalie Drive
- **Twelve Reach Scale Sediment Removal Projects at:**
 - Colgan Creek Reach 3, 4: Between Bellevue Avenue and Todd Road
 - Colgan Creek Reach 5: From Hearn Avenue south to start of concrete banks
 - Forestview Creek Reach 2, 3: Between Fulton Road and Guerneville Road
 - Hinebaugh Creek Reach 3, 4, 5: Redwood Drive to County Club Drive
 - Starr Creek Reach 2: Railroad tracks to Oak Park Street
 - Steele Creek Reach 2: Between Marlow Road and Ridley Avenue
 - Todd Creek Reach 1, 2: Between U.S. Hwy. 101 and railroad tracks
- **Seven Sediment Basin/Instream Basin Clearings at:**
 - Cook Creek Reach 2 (basin): East of Petaluma Hill Road
 - Copeland Creek Reach 3/4: At Country Club Drive
 - Copeland Creek Reach 4/5: At Snyder Lane
 - Five Creek Reach 1: At Snyder Lane
 - Paulin Creek Reach 5/6: At road crossings of McBride, Range and Hardies

- Todd Creek Reach 5: Upstream of Dolores Lane at rocked crossing below culvert
- Wilfred Creek Reach 1: At Snyder Lane
- **Five Reservoir Inlet Clearings at:**
 - Brush Creek Reservoir
 - Matanzas Creek Reservoir
 - Piner Creek Reservoir
 - Santa Rosa Creek Reservoir (Spring Lake)
 - Fish Ladder in Santa Rosa Creek Diversion Structure, adjacent to Montgomery Drive

Zone 2A

- **Seven Reach Scale Sediment Removal Projects at:**
 - Corona Creek Tributary Reach 1: From North end of Holm Road to Corona Road
 - East Washington Creek Reach 3, 4, 5: From McGregor Avenue to the airport
 - Lichau Creek Reach 1: Between Hwy 101 and Stony Point Road
 - Lynch Creek Reach 1: From Hwy 101 to the Petaluma River
 - Washington Creek Reach 6: Maria Drive to Sonoma Mountain Parkway
- **Two Sediment Basin/Instream Basin Clearings at:**
 - Adobe Creek Reach 1/2: Above and below South McDowell Boulevard
 - Jessie Lane Creek Reach 1: At culvert on Petaluma Boulevard

Zone 3A

- **One Reach Scale Sediment Removal Project at:**
 - Nathanson Creek Bypass Reach 1: Upstream of Napa Road

1B. Sediment Removal and Bank Stabilization Project Site Locations and Other Geographic Information

The following table presents location and geographic information for each of the 2013 project sites.

Table 1-1: Location and Other Geographic Information for Project Sites

Project Site	Creek	Tributary To	SMP Reach	USGS Quad, Township, Range, Section	Latitude/Longitude
ZONE 1A					
<i>Localized Scale Sediment Removal Projects</i>					
Brush Creek & Austin Creek, at confluence	Brush Creek and Austin Creek	Santa Rosa Creek	Brush 2 and Austin 1	Santa Rosa Quad, T7N, R7W, Section 7	38.463 N, -122.677 W
Ducker Creek at Rinconada Dr double box culvert	Ducker Creek	Austin Creek	Ducker 2	Santa Rosa Quad, T7N, R7W, Section 7	38.472 N, -122.67 W
Roseland Creek at cattle crossings above Llano Rd	Roseland Creek	Laguna de Santa Rosa	Roseland 1	Sebastopol Quad, T6N, R8W, Section 5	38.396 N, -122.774 W
Windsor Creek at Natalie Dr culvert	Windsor Creek	Mark West Creek	Windsor 3 and 4	Healdsburg Quad, T8N, R9W, Section 12	38.556 N, -122.81 W
<i>Reach Scale Sediment Removal Projects</i>					
Colgan Creek between Bellevue Ave and Todd Rd	Colgan Creek	Laguna de Santa Rosa	Colgan 3 and 4	Santa Rosa Quad, T6N, R8W, Section 3 and 4	38.394 N, -122.738 W
Colgan Creek Hearn Ave south to concrete banks	Colgan Creek	Laguna de Santa Rosa	Colgan 5	Santa Rosa Quad, T7N, R8W, Section 35	38.413 N, -122.721 W
Forestview Creek from Fulton Rd to Guerneville Rd	Forestview Creek	Peterson Creek	Forestview 2 and 3	Sebastopol Quad, T7N, R8W, Section 17 and 18	38.454 N, -122.775 W
Hinebaugh Creek Country Club Dr to Redwood Dr	Hinebaugh Creek	Laguna de Santa Rosa	Hinebaugh 3, 4, and 5	Cotati Quad, T6N, R8W, Section 23 and 24	38.351 N, -122.708 W
Starr Creek from railroad tracks to Oak Park St	Starr Creek	Windsor Creek	Starr 2	Healdsburg Quad, T8N, R9W, Section 11	38.55 N, -122.821 W
Steele Creek between Marlow Rd and Ridley Ave	Steele Creek	Piner Creek	Steele 2	Santa Rosa Quad, T7N, R8W, Section 16	38.45 N, -122.749 W

Project Site	Creek	Tributary To	SMP Reach	USGS Quad, Township, Range, Section	Latitude/ Longitude
Todd Creek between Hwy 101 and railroad tracks	Todd Creek	Bellevue-Wilfred Channel	Todd 1 and 2	Santa Rosa Quad and Cotati Quad, T6N, R8W, Section 11 and 14	38.376 N, -122.719 W
<i>Instream Sediment Basin Clearing Projects</i>					
Cook Creek Basin east of Petaluma Hill Rd	Cook Creek	Coleman Creek	Cook 2	Cotati Quad, T6N, R7W, Section 18	38.364 N, -122.675 W
Copeland Creek at Country Club Drive	Copeland Creek	Laguna de Santa Rosa	Copeland 3 and 4	Cotati Quad, T6N, R8W, Section 25	38.343 N, -122.69 W
Copeland Creek at Snyder Ln	Copeland Creek	Laguna de Santa Rosa	Copeland 4 and 5	Cotati Quad, T6N, R8W, Section 25	38.343 N, -122.685 W
Five Creek at Snyder Ln	Five Creek	Crane Creek	Five 1	Cotati Quad, T6N, R8W, Section 13	38.361 N, -122.685 W
Paulin Creek at road crossings of McBride, Range and Hardies	Paulin Creek	Piner Creek	Paulin 5 and 6	Santa Rosa Quad, T7N, R8W, Section 10	38.463 N, -122.733 W
Todd Creek below culvert at Dolores Ln	Todd Creek	Bellevue-Wilfred Creek	Todd 5	Santa Rosa Quad, T6N, R8W, Section 2	38.395 N, -122.71 W
Wilfred Creek at Snyder Ln	Wilfred Creek	Bellevue-Wilfred Creek	Wilfred 1	Cotati Quad, T6N, R8W, Section 13	38.371 N, -122.686 W
<i>Reservoir Inlet Clearing Projects</i>					
Brush Creek Reservoir	Brush Creek	Santa Rosa Creek	N/A	Santa Rosa Quad, T7N, R7W, Section 6	38.487 N, -122.671 W
Matanzas Creek Reservoir	Matanzas Creek	Santa Rosa Creek	N/A	Santa Rosa Quad, T7N, R7W, Section 32	38.405 N, -122.652 W
Piner Creek Reservoir	Paulin Creek	Santa Rosa Creek	N/A	Santa Rosa Quad, T7N, R8W, Section 11	38.466 N, -122.706 W
Santa Rosa Creek Reservoir (Spring Lake)	Santa Rosa Creek	N/A	N/A	Santa Rosa Quad, T7N, R7W, Section 17	38.46 N, -122.654 W
Fish Ladder in Santa Rosa Creek Diversion Structure	Santa Rosa Creek	Spring Lake	Santa Rosa Div. 1	Santa Rosa Quad, T7N, R7W, Section 17	38.46 N, -122.654 W
ZONE 2A					
<i>Reach Scale Sediment Removal Projects</i>					

Project Site	Creek	Tributary To	SMP Reach	USGS Quad, Township, Range, Section	Latitude/ Longitude
Corona Creek Trib 1 North end Holm Rd to Corona Rd	Corona Creek Tributary	Corona Creek	Corona Trib 1	Cotati Quad, T5N, R7W, Section 18-20	38.269 N, -122.665 W
E. Washington Creek from airport to McGregor Ave	E. Washington Creek	Washington Creek	East Washington 3, 4 and 5	Glen Ellen Quad, T5N, R7W, Section 26 and 27	38.253 N, -122.61 W
Lichau Creek between Hwy 101 and Stony Point Rd	Lichau Creek	Petaluma River	Lichau 1	Cotati Quad, T5N, R7W, Section 18	38.275 N, -122.676 W
Lynch Creek between Hwy 101 and Petaluma River	Lynch Creek	Petaluma River	Lynch 1	Petaluma Quad, T5N, R7W, Section 28	38.249 N, -122.635 W
Washington Creek from Maria Dr to Sonoma Mtn Pkwy	Washington Creek	Petaluma River	Washington 6	Glen Ellen Quad, T5N, R7W, Section 27	38.257 N, -122.619 W
<i>Instream Sediment Basin Clearing Projects</i>					
Adobe Creek above and below S. McDowell Blvd	Adobe Creek	Petaluma River	Adobe 1 and 2	Petaluma River Quad, T5N, R7W, Section 33	38.232 N, -122.599 W
Jessie Lane Creek at culvert by Petaluma Blvd.	Jessie Lane Creek	Petaluma River	Jessie Lane 1	Cotati Quad, T5N, R7W, Section 29	38.253 N, -122.649 W
ZONE 3A					
<i>Reach Scale Sediment Removal Projects</i>					
Nathanson Creek Bypass upstream of Napa Rd.	Nathanson Creek	Schell Creek	Nathanson 1	Sonoma Quad, T5N, R5W, Section 18	38.278 N, -122.457 W

1C. Sediment Removal and Bank Stabilization Project Settings and Resources

Channel Characterization Sheets and Site Photos

Channel characterization sheets for the 2013 project sites were developed for, and included in, Chapter 4 of the Stream Maintenance Program (SMP) Manual. The channel characterization sheets contained within the Manual provide baseline information on the maintenance reach's setting, physical processes, geomorphic conditions, biologic conditions, and management considerations. The channel characterization sheets also include photographs depicting typical conditions of the reach. Program reviewers are directed to viewing the reach characterization sheets in the Manual (Chapter 4) to provide an overview of reach conditions.

Current photographs showing the specific location of maintenance activities for the 2013 project sites are provided in Appendix A.

Potential Habitat for Listed Species

Based on possible species occurrence as shown in the table below, the applicable species-specific Best Management Practices (BMPs) (identified in Table 7-1 of the SMP Manual) will be applied when conducting maintenance activities. Specifically, the BMPs which will be applied according to maintenance activity type are listed in Table 1-2. This table is an excerpt of Table 7-2 from the SMP Manual. Maps displaying the project location relative to known biological resources (California Natural Diversity Database) (CNDDDB) are included in Appendix B.

Table 1-3 presents habitat potential for listed species by reach. As shown in the table, none of the project reaches are known to support or provide suitable habitat for California freshwater shrimp, Central California Coast Coho salmon, or California Coastal Chinook salmon. Fifteen project sites (Adobe 1 and 2, Austin 1, Brush 2, Copeland 3, 4, and 5, Hinebaugh 3, 4, and 5, Jessie 1, Lichau 1, Lynch 1, Santa Rosa Creek Reservoir and Santa Rosa Creek Diversion/Fish Ladder) provide potential habitat or there is a known occurrence, at or adjacent to the reach for Central California Coast Steelhead. Additionally, the project sites that show potential habitat for the western pond turtle include: Adobe 1 and 2, Austin 1, Brush 2, Brush Creek Reservoir, Colgan 3, 4, and 5, Copeland 3, 4, and 5, Cook 2, Corona Tributary 1, Ducker 2, East Washington 3, 4, and 5, Five 1, Forestview 2 and 3, Hinebaugh 3, 4 and 5, Jessie 1, Lichau 1, Lynch 1, Matanzas Creek Reservoir, Paulin 5 and 6, Piner Creek Reservoir, Roseland 1, Santa Rosa Creek Reservoir, Santa Rosa Creek Diversion/Fish Ladder, Starr 2, Steele 2, Todd 1, 2 and 5, Windsor 3 and 4 and Wilfred 1.

Several project reaches may provide potential upland aestivation habitat for California Tiger Salamander (CTS), specifically: Colgan 3, 4, and 5, Copeland 3, 4, and 5, Forestview 2 and 3, Hinebaugh 3, 4, and 5, Roseland 1, Todd 1, 2, and 5, and Wilfred 1. CTS Best Management Practices (BMPs) (BR-12, BR-13, and BR-14) are implemented for vegetation management activities and ground disturbing projects in these areas. Additional information regarding potential effects on California tiger salamander, areas of disturbance and compensatory mitigation can be found in Section 3C of this notification.

2013 maintenance areas potentially supporting California red-legged frog include Adobe 1 and 2, Austin 1, Brush 2, Brush Creek Reservoir, Cook 2, Corona Tributary 1, Ducker 2, East Washington 3, 4, and 5, Jessie 1, Lichau 1, Lynch 1, Matanzas Creek Reservoir, Nathanson Creek Bypass 1, Piner Creek Reservoir, Santa Rosa Creek Reservoir, Santa Rosa Creek Diversion/Fish Ladder, Starr 2, Washington 6, and Windsor 3 and 4. Furthermore, Cook 2, Copeland 5 and the Santa Rosa Creek Diversion/Fish Ladder may include potential habitat for Foothill yellow-legged frog. Finally, none of the anticipated 2013 maintenance reaches have the potential to support special-status plant species.

Table 1-2: Best Management Practices by Activity

BMP	Name	Sediment Removal	Bank Stabilization	Vegetation Management							Other Activities	
				Willow Removal	Blackberry Removal	Cattail Removal	Tree Pruning and Exotics Removal	Tree Removal and Relocation	Mowing	Nursery Stock Tree Planting	Reservoir Debris Removal	Sediment Disposal
General Impact Avoidance and Minimization												
GEN-1	Work Window	X	X	X	X	X	X	X	X	X	X	X
GEN-2	Staging and Stockpiling of Materials	X	X	X	X	X	X	X	X	X	X	X
GEN-3	Channel Access	X	X	X	X	X	X	X	X	X	X	X
Air Quality Protection												
AQ-1	Dust Management	X	X	X	X	X	X	X	X	X	X	X
AQ-2	Enhanced Dust Management	X	X	X	X	X	X	X	X	X	X	X
Biological Resources Protection												
BR-1	Area of Disturbance	X	X	X	X	X	X	X	X	X	X	X
BR-2	Pre-maintenance Educational Training	X	X	X	X	X	X	X	X	X	X	X
BR-3	Biotechnical Bank Stabilization		X									
BR-4	Impact Avoidance and Minimization During Dewatering	X	X									
BR-5	Fish and Amphibian Species Relocation Plan	X	X									
BR-6	On-Call Wildlife Biologist	X	X	X	X	X	X	X	X	X	X	X
BR-7	Special Status Plants	X	X	X	X	X	X	X	X	X	X	X
BR-8	Nesting Migratory Bird and Raptor Pre-maintenance Surveys	X	X	X	X	X	X	X	X	X	X	X
BR-10	California Red-legged Frog Avoidance and Impact Minimization Measures for Ground-Disturbing Activities	X	X								X	X
BR-11	California Red-legged Frog Avoidance and Impact Minimization for Vegetation Management			X	X	X	X	X	X	X		
BR-12	California Tiger Salamander Avoidance and Impact Minimization Measures for Sediment and Debris Removal	X		X		X					X	X

BMP	Name	Sediment Removal	Bank Stabilization	Vegetation Management							Other Activities		
				Willow Removal	Blackberry Removal	Cattail Removal	Tree Pruning and Exotics Removal	Tree Removal and Relocation	Mowing	Nursery Stock Tree Planting	Reservoir Debris Removal	Sediment Disposal	
BR-13	California Tiger Salamander Avoidance and Impact Minimization Measures for Bank Stabilization		X										
BR-14	California Tiger Salamander Avoidance and Impact Minimization Measures for Vegetation Management			X	X		X	X	X	X		X	
BR-15	Foothill Yellow-legged Frog Avoidance and Impact Minimization Measures for Ground-Disturbing Activities	X	X									X	X
BR-16	Foothill Yellow-legged Frog Avoidance and Impact Minimization Measures for Vegetation Management			X	X	X	X	X	X	X			
BR-17	Western Pond Turtle Pre-maintenance Surveys for Ground-Disturbing Activities	X	X	X	X	X	X	X	X	X		X	
BR-18	Zone 1A Salmonid Avoidance and Impact Minimization Measures	X	X	X		X				X			
Cultural Resources Protection													
CR-2	Cultural Resources Investigation		X										
CR-3	Previously Undiscovered Cultural Resources	X	X	X	X	X	X	X	X	X		X	X
CR-4	Previously Undiscovered Palentological Resources	X	X	X	X	X	X	X	X	X		X	X
CR-5	Staff Cultural Resources Training	X	X	X	X	X	X	X	X	X		X	X
CR-7	Ecosystem Restoration Program			X	X	X	X	X	X	X			
Hazardous Materials Safety													
HAZ-1	Spill Prevention and Response Plan	X	X	X	X	X	X	X	X	X		X	X
HAZ-2	Equipment and Vehicle Maintenance	X	X	X	X	X	X	X	X	X		X	X
HAZ-3	Equipment and Vehicle Cleaning	X	X	X	X	X	X	X	X	X		X	X
HAZ-4	Refueling	X	X	X	X	X	X	X	X	X		X	X
HAZ-5	On-Site Hazardous Materials Management	X	X	X	X	X	X	X	X	X		X	X
HAZ-6	Existing Hazardous Sites or Waste	X	X	X	X	X	X	X	X	X		X	X
HAZ-7	Fire Prevention	X	X	X	X	X	X	X	X	X		X	X

BMP	Name	Sediment Removal	Bank Stabilization	Vegetation Management							Other Activities		
				Willow Removal	Blackberry Removal	Cattail Removal	Tree Pruning and Exotics Removal	Tree Removal and Relocation	Mowing	Nursery Stock Tree Planting	Reservoir Debris Removal	Sediment Disposal	
HAZ-8	Testing and Disposal of Spoils	X	X									X	X
Vegetation Management													
VEG-1	Removal of Existing Vegetation	X	X	X			X	X		X			
VEG-2	Use of Herbicides			X	X	X	X	X					
VEG-3	Planting and Revegetation After Soil Disturbance	X	X				X	X		X			
Water Quality and Channel Protection													
WQ-1	Apply Erosion Control Fabric to or Hydroseeding of Exposed Soils	X	X	X	X	X	X	X				X	X
WQ-2	Prevent Scour Downstream of Sediment Removal	X											
WQ-3	In-Channel Grading	X	X										
Good Neighbor Policies													
GN-1	Work Site Housekeeping	X	X	X	X	X	X	X	X	X		X	X
GN-2	Public Outreach	X	X	X	X	X	X	X	X	X		X	X
GN-3	Noise Control	X	X	X	X	X	X	X	X	X		X	X
GN-4	Traffic Flow, Pedestrians, and Safety Measures	X	X	X	X	X	X	X	X	X		X	X
GN-5	Odors	X	X									X	X

Table 1-3: Habitat Potential for Listed Species by Reach

Reach	Listed Species								
	California Freshwater Shrimp	California Red-legged Frog	California Tiger Salamander	Foothill Yellow-legged Frog	Western Pond Turtle	Central California Coast Steelhead	Central California Coast Coho	California Coastal Chinook	Plants
ZONE 1A									
Localized Scale Sediment Removal Projects									
Austin 1	U	P	U	U	P	O(M)	U	U	U
Brush 2	U	P	U	U	P	O(M/R)	U	U	U
Ducker 2	U	P	U	U	P	U	U	U	U
Roseland 1	U	U	1(620.6); 2(4687.3); 3(750.5)	U	P	U	U	U	U
Windsor 3	U	P	U	U	P	U	U	U	U
Windsor 4	U	P	U	U	P	U	U	U	U
Reach Scale Sediment Removal Projects									
Colgan 3	U	U	2	U	P	U	U	U	U
Colgan 4	U	U	2	U	P	U	U	U	U
Colgan 5	U	U	1(2026.6); 2(5693.9)	U	P	U	U	U	U
Forestview 2	U	U	4	U	P	U	U	U	U
Forestview 3	U	U	4	U	P	U	U	U	U
Hinebaugh 3	U	U	1(36.1); 2(1450.1); 3(142.7)	U	P	P(M)	U	U	U
Hinebaugh 4	U	U	3	U	P	P(M)	U	U	U
Hinebaugh 5	U	U	5	U	P	P(M)	U	U	U
Starr 2	U	P	U	U	P	U	U	U	U
Steele 2	U	U	U	U	P	U	U	U	U
Todd 1	U	U	1(521.0); 2(1492.4)	U	P	U	U	U	U
Todd 2	U	U	2	U	P	U	U	U	U
Instream Sediment Basin Clearing Projects									

Reach	Listed Species								
	California Freshwater Shrimp	California Red-legged Frog	California Tiger Salamander	Foothill Yellow-legged Frog	Western Pond Turtle	Central California Coast Steelhead	Central California Coast Coho	California Coastal Chinook	Plants
Cook 2 (basin)	U	P	U	P	P	U	U	U	U
Copeland 3	U	U	3	U	P	O(M)	U	U	U
Copeland 4	U	U	3	U	P	O(M/R)	U	U	U
Copeland 5	U	U	3	P	P	O(M/R)	U	U	U
Five 1	U	U	U	U	P	U	U	U	U
Paulin 5	U	U	U	U	P	U	U	U	U
Paulin 6	U	U	U	U	P	U	U	U	U
Todd 5	U	U	3	U	P	U	U	U	U
Wilfred 1	U	U	2(1851.6); 3(6025.9)	U	P	U	U	U	U
Reservoir Inlet Clearing Projects									
Brush Creek Reservoir	U	P	U	U	P	U	U	U	U
Matanzas Creek Reservoir	U	P	U	U	P	U	U	U	U
Piner Creek Reservoir	U	P	U	U	P	U	U	U	U
Santa Rosa Creek Reservoir	U	P	U	U	P	P	U	U	U
Santa Rosa Creek Div. 1/Fish Ladder	U	P	U	P	P	O*	U	U	U
ZONE 2A									
Reach Scale Sediment Removal Projects									
Corona Trib 1	U	P	U	U	P	U	U	U	U
East Washington 3	U	P	U	U	P	U	U	U	U
East Washington 4	U	P	U	U	P	U	U	U	U
East Washington 5	U	P	U	U	P	U	U	U	U
Lichau 1	U	P	U	U	P	O(M)	U	U	U
Lynch 1	U	P	U	U	P	O(M)	U	U	U
Washington 6	U	P	U	U	U	U	U	U	U
Instream Sediment Basin Clearing Projects									
Adobe 1	U	P	U	U	P	O(M)	U	U	U
Adobe 2	U	P	U	U	P	O(M)	U	U	U
Jessie 1	U	P	U	U	P	O*	U	U	U
ZONE 3A									
Reach Scale Sediment Removal Projects									
Nathanson 1	U	P	U	U	U	U	U	U	U

Source: SMP Manual Table 7-4 as updated by the BO processes and new data (March 2012)

Legend

- O Known occurrence in reach
- O* Presence documented within adjacent reach or tributary; not applicable for fish if known barrier or reach goes dry
- P Potential habitat (includes areas rated potential or marginal)
- M Migration corridor (fish only)
- S Known or potential spawning habitat (fish only)
- R Known or potential rearing habitat (fish only)
- U Unsuitable habitat, unlikely to occur and/or no known occurrence

CTS Habitat Rankings*

- 1 - Within 500 ft of a known occurrence
- 2 - Between 500ft-2200ft of a known occurrence
- 3 - Between 2200 ft and 1.3 mi of a known occurrence
- 4 - Greater than 1.3 mi, but within SRPCS range (no mitigation required)

*Parentheses following CTS habitat ranks notate distance (in feet) of each rank for reaches with more than one CTS ranking

1D. Vegetation Management Activities

During the 2013 maintenance season, vegetation maintenance will include tree and brush thinning, and removal of exotic species and other vegetation blockages to improve hydraulic capacity and retain or enhance appropriate habitat. Vegetation maintenance will be completed according to Appendix E of the SMP Manual (*Vegetation Management Plan*) as well as the associated terms and conditions of all programmatic permits and biological opinions.

For 2013, vegetation maintenance will be completed in the locations as shown below. Note that maintenance generally occurs in only a portion of the identified reach, not the entire reach length. An addendum will be sent out in August to supplement this list if any subsequent requests for vegetation management are made for areas not shown below. The submission and approval of such an addendum is specified in the DFG Streambed Alteration Agreement (No. 1600-2009-0399-R3) for the SMP.

Table 1-4. 2013 Vegetation Management Activities

Creek	Vegetation Management Activity			
	<i>Willow Pruning</i>	<i>Blackberry Hand Removal</i>	<i>Blackberry Mowing</i>	<i>Exotics Removal</i>
Zone 1A- Windsor Creek Subbasin				
Airport 1			✓	
Airport 2			✓	
Starr Trib 1		✓		
Windsor 1	✓		✓	
Windsor 4	✓			
Zone 1A- Santa Rosa Creek Subbasin				
Abramson 1			✓	
Austin 1	✓	✓	✓	✓
Austin 2	✓		✓	
Austin 3	✓		✓	
Brush 1	✓			
Brush 2	✓	✓	✓	
College 1	✓	✓	✓	
Forestview 1	✓			

Creek	Vegetation Management Activity			
	Willow Pruning	Blackberry Hand Removal	Blackberry Mowing	Exotics Removal
Middle Brush 1	✓			
Paulin 3		✓		
Paulin 7		✓		✓
Peterson 1	✓			
Piner 7	✓			
Santa Rosa 1	✓			
Santa Rosa 2	✓			
Santa Rosa 3	✓			
Santa Rosa 4	✓			
Santa Rosa 5	✓			
Santa Rosa 6	✓			
Santa Rosa 7	✓			
Spring 2		✓		
Spring 3		✓		
Steele 1		✓	✓	✓
Steele 5	✓			✓
Zone 1A- Roseland and Colgan Subbasin				
Colgan 1	✓			
Colgan 2	✓		✓	
Colgan 3			✓	
Colgan 4	✓		✓	
Colgan 5			✓	
Colgan 6	✓			
Colgan 7				
Roseland 1	✓			
Roseland 2	✓			
Roseland 3	✓		✓	
Roseland 4	✓		✓	
Zone 1A- Upper Laguna Subbasin				
Copeland 1	✓			
Copeland 2	✓		✓	
Copeland 3	✓			
Copeland 4	✓			
Copeland 5	✓			
Crane 1	✓			
Crane 2	✓			
Five 1	✓			
Hinebaugh 1			✓	
Hinebaugh 2	✓			
Hinebaugh 3	✓			
Hinebaugh 4	✓			
Hinebaugh 5	✓			
Hinebaugh 6	✓			
Hinebaugh 7	✓			
Laguna 1	✓			
Laguna 2	✓			
Laguna 6	✓	✓		

Creek	Vegetation Management Activity			
	Willow Pruning	Blackberry Hand Removal	Blackberry Mowing	Exotics Removal
South Fork Copeland 1	✓			
South Fork Copeland 2	✓			
Todd 2	✓		✓	
Todd 5	✓			
Wilfred Extention1	✓			
Wilfred 1	✓			
Zone 2A-Petaluma Subbasin				
Adobe 1	✓	✓		
Adobe 2	✓			
Adobe 3	✓		✓	
Corona Creek Tributary 1	✓	✓	✓	
Corona 2	✓			
Corona 3	✓			
Corona 4	✓			
Corona 5	✓			
East Washington 4			✓	
East Washington 5			✓	
McDowell 2	✓		✓	✓
Thompson 1	✓	✓		
Washington 6				✓
Zone 3A- Sonoma Subbasin				
Fryer 1		✓		✓
Fryer 3	✓			
Zone 6A- Dry Creek				
West Slough 1	✓	✓		