

# **Appendix I**

## **2008 Treatment Table**

### **Invasive *Spartina* Project 2008-2009 Treatment Report**



## 2008 Invasive *Spartina* Project Treatment Table

Treatment Location				Actual Treatment Dates	Treatment Entity	Treatment Method								
Site #	Site Name	Sub-Area Number	Sub-Area Name			Imazapyr Herbicide						Manual		
						Truck	Backpack	Amphibious vehicle	Boat	Aerial: Broadcast	Aerial: Spot	Covering with Geotextile Fabric	Digging/Pulling	
1	Alameda Flood Control Channel	01a	Channel Mouth	7/31 (aerial)	Sinton Helicopters	X		X		X				
		01b	Lower Channel (not including mouth)	7/31 (aerial)	Sinton Helicopters	X		X		X				
		01c	Upper Channel	7/31 (aerial)	Sinton Helicopters	X		X		X				
		01d	Upper Channel - Union City Blvd to I-880	August/Sept	ACPW	X		X						
		01e	Strip Marsh No. of Channel Mouth	7/31 (aerial)	Sinton Helicopters					X				
		01f	Pond 3-AFCC	7/31 (aerial)	Sinton Helicopters			X		X				
2	Bair/Greco Islands	02a	Belmont Slough/Island, North Point, Bird Island, Steinberger Slough/ Redwood Shores	9/2-9/4; 9/5 (aerial)	SMCMVCD; Alpine Helicopters	X		X						
		02b	Steinberger Slough South, Corkscrew Slough, Redwood Creek North	8/20 (aerial)	Alpine Helicopters		X		X	X				
		02c	B2 North Quadrant	8/20, 9/5, 9/15 (aerial)	Alpine Helicopters		X		X	X				
		02d	B2 South Quadrant - Rookery	8/20, 9/5 (aerial)	Alpine Helicopters		X			X				
		02e	West Point Slough NW		Alpine Helicopters; SMCMVCD	X	X		X					
		02f	Greco Island North	8/18 & 20 (aerial)	Alpine Helicopters		X			X				
		02g	West Point Slough SW and East		SMCMVCD	X	X		X					
		02h	Greco Island South	8/18 & 20 (aerial)	Alpine Helicopters		X			X				
		02i	Ravenswood Slough & Mouth	8/20 (aerial);	Alpine; SMCMVCD			X		X				
		02j	Ravenswood Open Space Preserve		SMCMVCD			X						
		02k	Redwood Creek and Deepwater Slough Restoration	8/20 (aerial)	Alpine Helicopters				X	X				
3	Blackie's Pasture	03a	Blackie's Creek (above bridge)	7/18	West Coast Wildlands		X						X	
		03b	Blackie's Creek Mouth	7/18; 8/7 (manual)	West Coast Wildlands		X						X	

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						Truck	Backpack	Amphibious vehicle	Boat	Aerial: Broadcast	Aerial: Spot	Covering with Geotextile Fabric	Digging/Pulling
4	Corte Madera Creek Complex	04a	Corte Madera Marsh Reserve	7/7-7/8	Clean Lakes		X						X
		04b	College of Marin Ecological Reserve	7/2 - 7/3	Clean Lakes		X						X
		04c	Piper Park East	12/3	CCNB								X
		04d	Piper Park West	12/3	CCNB								X
		04e	Larkspur Ferry Landing Area	7/2 - 7/3	Clean Lakes		X						
		04f	Riviera Circle	7/2 - 7/3	Clean Lakes				X				X
		04g	Creekside Park	7/7-7/8 & 7/31-8/1	Clean Lakes, CCNB		X						X
		04h	Upper Corte Madera Creek (Above Bon Air Road)	7/7-7/8	Clean Lakes	X	X						X
		04i	Lower Corte Madera Creek (Between Bon Air Road & HWY 101)	7/2 - 7/3	Clean Lakes		X						X
		04j	Corte Madera Creek Mouth (Downstream of HWY 101)	7/7-7/8	Clean Lakes	X	X						X
		04k	Boardwalk No. 1 (Arkites)	7/31-8/1	Clean Lakes		X						X
04l	Murphy Creek	7/17	CCNB								X		
5	Coyote Creek/Mowry Complex	05a	Mowry Marsh-Newark Slough to Calaveras Point	8/1, 9/15 (aerial)	Sinton Helicopters				X		X		
		05b	Dumbarton/Audubon	8/1 (aerial)	Sinton Helicopters	X					X		
		05c	Newark Slough	8/1 (aerial)	Sinton Helicopters	X	X				X		
		05d	LaRiviere Marsh	7/28-29	Alameda Ag	X	X						
		05e	Mayhew's Landing	7/28-29	Alameda Ag	X	X						
		05f	Coyote Creek- Alameda County	8/1, 9/15 (aerial)	Sinton Helicopters						X		
		05g	Cargill Pond (W Hotel)	9/17	Aquatic Environments	X	X						
6	Emeryville Crescent	06a	Emeryville Crescent East	7/30-31	West Coast Wildlands		X						
		06b	Emeryville Crescent West	8/21	EBRPD	X		X					
7	Oro Loma Marsh	07a	Oro Loma Marsh-East	7/22 (aerial); 9/3 (ground)	EBRPD			X		X			
		07b	Oro Loma Marsh-West	7/22 (aerial); 9/3 (ground)	EBRPD	X				X			

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						Truck	Backpack	Amphibious vehicle	Boat	Aerial: Broadcast	Aerial: Spot	Covering with Geotextile Fabric	Digging/Pulling
8	Palo Alto Baylands	8	Palo Alto Baylands	8/5-6	West Coast Wildlands	X	X						
9	Pickleweed Park	9	Pickleweed Park	7/16	West Coast Wildlands		X						X
10	Point Pinole Marshes	10a	Whittel Marsh	NT	EBRPD								
		10b	Southern Marsh	9/4	EBRPD		X	X					
		10c	Giant Marsh	9/4	EBRPD			X					
11	Southampton Marsh	11	Southampton Marsh	8/26, 9/3	West Coast Wildlands		X						
12	Southeast San Francisco	12a	Pier 94	5/14 & 10/17	GGA & ISP		X						X
		12b	Pier 98/Heron's Head	NT	LEJ								
		12c	India Basin	9/16	Aquatic Environments	X	X						
		12d	Hunters Point Naval Reserve	9/16	Aquatic Environments	X							
		12e	Yosemite Channel	8/4	West Coast Wildlands	X	X						
		12f	Candlestick Cove	8/4	West Coast Wildlands	X	X						
		12g	Crissy Field	n/a	n/a								
		12h	Yerba Buena Island	9/16	Aquatic Environments		X						
		12i	Mission Creek	10/29	ISP		X						
13	Whale's Tail Complex	13a	Old Alameda Creek North Bank	7/31 (aerial); 10/17 (ground)	Sinton Helicopters; ACPW	X				X			
		13b	Old Alameda Creek Island	7/31 (aerial); 10/17 (ground)	Sinton Helicopters; ACPW		X			X			
		13c	Old Alameda Creek South Bank	7/31 (aerial); 10/21 (ground)	Sinton Helicopters; ACPW	X				X			
		13d	Whale's Tail North Fluke	7/31 (aerial); 8/22 (ground)	Sinton Helicopters; Aquatic Environments		X	X		X			
		13e	Whale's Tail South Fluke	7/31 (aerial)	Sinton Helicopters		X			X			
		13f	Cargill Mitigation Marsh	7/31 (aerial)	Sinton Helicopters			X		X			
		13g	Upstream of 20 Tide Gates	7/31 (aerial); 10/16 (ground)	Sinton Helicopters; ACPW			X		X			
		13h	Eden Landing-North Creek	7/31 (aerial); 10/7 (ground)	Sinton Helicopters; ISP		X			X			
		13i	Eden Landing-Pond 10	7/31 (aerial)	Sinton Helicopters					X			
		13j	Eden Landing-Mt Eden Creek	7/31 (aerial)	Sinton Helicopters					X			
		13k	Eden Landing Reserve South	10/5	ISP		X						

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						Truck	Backpack	Amphibious vehicle	Boat	Aerial: Broadcast	Aerial: Spot	Covering with Geotextile Fabric	Digging/Pulling
15	South Bay Marshes	15a	South Bay Marshes - Santa Clara County	9/15 (aerial); 8/19, 9/3 (ground)	Sinton Helicopters; SCVWD	X	X			X	X		
		15b	Faber/Laumeister Marsh	10/1	SMCMVCD			X					
		15c	Shoreline Regional Park	9/2	Clean Lakes	X	X						
16	Cooley Landing Salt Pond Restoration	16	Cooley Landing	8/20 (aerial); 10/1 (ground)	Alpine Helicopters; SMCMVCD	X		X		X			
17	Alameda/ San Leandro Bay Complex	17a	Alameda Island South (Elsie Roemer Bird Sanctuary, Crown Memorial State Beach, Crab Cove)	8/18-8/21	Clean Lakes	X	X	X					
		17b	Bay Farm Island	8/20-8/21	Clean Lakes	X							
		17c	Arrowhead Marsh	7/22(aerial); 9/22, 23, 26 & 10/3 (ground)	EBRPD		X		X	X			
		17d	MLK Regional Shoreline/Garretson Point	7/24-25, 9/4	EBRPD	X			X				
		17e	San Leandro Creek	7/23	Alameda Ag	X							
		17f	Oakland Inner Harbor	8/4-8/6	Clean Lakes	X	X		X				
		17g	Coast Guard Island	8/5	Clean Lakes	X	X						
		17h	MLK New Marsh	7/24-25	EBRPD, Alameda Ag	X	X			X			
		17i	Coliseum Channels	TBD	ACPW					X			
		17j	Fan Marsh	8/21	Aquatic Environments	X	X						
		17k	Airport Channel	7/22	EBRPD	X			X				
		17l	Doolittle Pond	7/24-25	EBRPD	X							
17m	Alameda Island (East: Aeolian Yacht Club and Eastern Shoreline)	8/18-8/19	Clean Lakes	X	X								
18	Colma Creek/ San Bruno Marsh Complex	18a	Colma Creek	8/4	SMCMVCD		X						
		18b	Navigable Slough	8/4	SMCMVCD		X						
		18c	Old Marina	8/18 (aerial); 8/20 (ground)	Alpine Helicopters; SMCMVCD	X				X			
		18d	Inner Harbor	8/18 (aerial); 8/20-21 (ground)	Alpine Helicopters; SMCMVCD			X		X			
		18e	Sam Trans Peninsula	8/18 (aerial); 8/20-21 (ground)	Alpine Helicopters; SMCMVCD			X		X			
		18f	Confluence Marsh	8/18 (aerial)	Alpine Helicopters					X			
		18g	San Bruno Marsh	8/18 (aerial); 8/19 & 20 (ground)	Alpine Helicopters; SMCMVCD			X		X			
		18h	San Bruno Creek	8/5	SMCMVCD		X						

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						Truck	Backpack	Amphibious vehicle	Boat	Aerial: Broadcast	Aerial: Spot	Covering with Geotextile Fabric	Digging/Pulling
19	West San Francisco Bay	19a	Brisbane Lagoon	7/24-25	SMCMVCD	X	X	X					
		19b	Sierra Point	8/1, 8/5	SMCMVCD	X	X	X					
		19c	Oyster Cove	8/1	SMCMVCD		X						
		19d	Oyster Point Marina	7/25	SMCMVCD	X	X						
		19e	Oyster Point Park	7/25, 8/12	SMCMVCD		X	X					
		19f	Point San Bruno	8/4-5	SMCMVCD		X						
		19g	Seaplane Harbor	7/23	SMCMVCD		X		X				
		19h	SFO	7/21-23, 8/1	SMCMVCD		X	X	X				
		19i	Mills Creek Mouth	8/6-7	SMCMVCD		X	X					
		19j	Easton Creek Mouth	8/6-7	SMCMVCD			X					
		19k	Sanchez Marsh	8/8	SMCMVCD			X					
		19l	Burlingame Lagoon	8/7-8/8	SMCMVCD		X	X	X				
		19m	Fisherman's Park	8/6	SMCMVCD	X							
		19n	Coyote Point Marina/Marsh	8/19	SMCMVCD		X	X					
		19o	San Mateo Creek/ Ryder Park	8/21	SMCMVCD	X	X						
		19p	Seal Slough Mouth	8/18 (aerial); 8/21-22 (ground)	SMCMVCD			X		X			
19q	Foster City	8/20	SMCMVCD			X							
19r	Anza Lagoon	8/8	SMCMVCD	X									
20	San Leandro/ Hayward Shoreline	20a	Oyster Bay Regional Shoreline	7/22 (aerial); 8/20 (ground)	EBRPD	X				X			
		20b	Oakland Metropolitan Golf Links	NT	n/a								
		20c	Dog Bone Marsh	7/29-30	Alameda Ag	X							
		20d	Citation Marsh	7/8-9,11	Alameda Ag	X							
		20e	East Marsh	7/16-18	Alameda Ag	X							
		20f	North Marsh	7/16-18	Alameda Ag	X							
		20g	Bunker Marsh	7/16-18	Alameda Ag	X							
		20h	San Lorenzo Creek & Mouth	7/22 (aerial)	Alpine Helicopters					X			
		20i	Bockmann Channel		ACPW	X							
		20j	Sulphur Creek		ACPW	X							
		20k	Hayward Landing		EBRPD	X		X					
		20l	Johnson's Landing		EBRPD			X					
20m	Cogswell Marsh, Quadrant A	7/22 (aerial);	EBRPD		X			X					

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20	San Leandro/ Hayward Shoreline	20n	Cogswell Marsh, Quadrant B	7/22 (aerial)	EBRPD					X			
		20o	Cogswell Marsh, Quadrant C	7/22 (aerial)	EBRPD	X	X			X			
		20p	Hayward Shoreline Outliers	7/22 (aerial)	EBRPD			X		X			
		20q	San Leandro Shoreline Outliers	7/29-30	Alameda Ag	X				X			
		20r	Oakland Airport Shoreline and Channels	8/20	Aquatic Environments	X	X						
		20s	H.A.R.D. Marsh		EBRPD		X		X				
		20t	San Leandro Marina	7/29-30	Alameda Ag	X							
		20u	Estudillo Creek Channel		ACPW	X							
		20v	Hayward Landing Canal		ACPW			X					
		20w	Triangle Marsh		EBRPD		X						
21	Ideal Marsh	21a	Ideal Marsh North	9/3 (ground)	Alameda Ag		X				X		
		21b	Ideal Marsh South	9/3 (ground)	Alameda Ag		X				X		
22	Two Points Complex	22a	Wildcat Marsh	7/22	Aquatic Environments		X						
		22b	San Pablo Marsh	7/21-23	Aquatic Environments		X	X					
		22c	Rheem Creek Area	7/24	Aquatic Environments		X						
		22d	Stege Marsh	7/24	Aquatic Environments		X						
		22e	Hoffman Marsh	n/a	n/a								
		22f	Richmond/ Albany Shoreline	7/24, 7/30, 9/17	Aquatic Environments, West Coast Wildlands		X						
23	Marin Outliers	23a	Brickyard Cove	7/17	West Coast Wildlands							X	
		23b	Beach Drive	7/17	West Coast Wildlands	X	X						
		23c	Loch Lomond Marina	7/17	West Coast Wildlands		X						
		23d	San Rafael Canal Mouth North	7/18 & 9/8	West Coast Wildlands		X					X	
		23e	Muzzi & Martas Marsh	9/8	West Coast Wildlands		X		X			X	
		23f	Paradise Cay	7/18	West Coast Wildlands		X						
		23g	Greenwood Cove	7/16	West Coast Wildlands		X						
		23h	Strawberry Point	9/8	West Coast Wildlands		X		X				
		23i	Strawberry Cove	7/16	West Coast Wildlands		X						



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23	Marin Outliers	23j	Bothin Marsh	8/7	West Coast Wildlands		X						
		23k	Sausalito	7/16	West Coast Wildlands		X						
		23l	Starkweather Park	7/16	West Coast Wildlands								X
		23m	Novato	7/18	West Coast Wildlands		X						
		23n	Triangle Marsh & shoreline	8/7	West Coast Wildlands		X						
24	Petaluma River	24a	Upper Petaluma River- Upstream of Grey's Field	9/12	Aquatic Environments		X		X				
		24b	Grey's Field	n/a	n/a								
		24c	Petaluma Marsh	9/12	Aquatic Environments		X		X				
		24d	Lower Petaluma River-Downstream of San Antonio Creek	n/a	n/a								
25	Outer Coast	25a	Tom's Point, Tomales	10/14	ISP								X
		25b	Limantour Estero	9/18	NPS & ISP							X	
		25c	Drakes Estero	7/24	NPS							X	
		25d	Bolinas Lagoon, North	n/a	n/a								
		25e	Bolinas Lagoon, South	n/a	n/a								
26	North San Pablo Bay	26a	White Slough/Napa River	8/22	Clean Lakes	X	X						
		26b	San Pablo Bay NWR & Mare Island	9/29	USFWS		X						