

2021 Invasive Spartina Project Treatment Schedule

Updated: 11/8/21

Where: [Site Locations \(map\)](#)

How: [Treatment Methods](#)

Herbicide Use: [Environmental Review of Imazapyr](#)

Treatment Location				Treatment Dates*	Complete for 2021?	Treatment Method					
Site #	Site Name	Sub-Area Number	Sub-Area Name	*(COI=Dug during course of inventory)		Imazapyr Herbicide					Manual
					Truck	Backpack	Amphibious vehicle	Airboat	Aerial: Broadcast	Digging, Mowing, and/or Covering	
1	Alameda Flood Control Channel	01a	Channel Mouth	9/28; 10/1			X				
		01b	Lower Channel (not including mouth)	10/1			X				
		01c	Upper Channel	No Invasive Spartina 2021							
		01d	Upper Channel - Union City Blvd to I-880	5 years with no invasive Spartina (2017-2021)							
		01e	Strip Marsh No. of Channel Mouth	10/1			X				
		01f	Pond 3-AFCC	2 years with no invasive Spartina (2020-2021)							
2	Bair/Greco Islands	02a.1a	Belmont Slough Mouth			X	X		X		
		02a.1b	Belmont Slough Mouth South			X	X		X		
		02a.2	Upper Belmont Slough and Redwood Shores	9/1; 9/13-9/15; 10/5		X	X		X		
		02a.3	Bird Island				X				
		02a.4	Redwood Shores Mitigation Bank	9/14			X				
		02b.1	Corkscrew Slough	8/14; 9/10; 9/29			X		X		
		02b.2	Steinberger Slough South, Redwood Creek Northwest	8/2; 9/27; 9/29			X		X		
		02c.1a	B2 North Quadrant West	9/27-9/28; 10/27			X		X		
		02c.1b	B2 North Quadrant East	8/24	Yes				X	X	
		02c.2	B2 North Quadrant South	8/12-8/13; 8/25-8/26; 10/27			X		X		
		02d.1a	B2 South Quadrant West	10/27	Yes		X				
		02d.1b	B2 South Quadrant East	10/27	Yes		X				
		02d.2	B2 South Quadrant (2)	10/27	Yes		X				
		02d.3	B2 South Quadrant (3)	10/27	Yes		X				
		02e	Westpoint Slough NW	9/10	Yes		X		X		
		02f	Greco Island North	8/25; 8/26; 9/10-9/11; 10/26	Yes		X		X		
		02g	Westpoint Slough SW and East	7/30; 8/26; 9/27			X		X		
		02h	Greco Island South	8/26; 9/11; 11/8	Yes		X		X		
02i	Ravenswood Slough & Mouth	9/14; 9/16; 11/8	Yes		X						
02j.1	Ravenswood Open Space Preserve (north Hwy 84)	9/9; 10/12				X					

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						Truck	Backpack	Amphibious vehicle	Airboat	Aerial: Broadcast	Digging, Mowing, and/or Covering	
		02j.2	Ravenswood Open Space Preserve (south Hwy 84)	9/14			X					
		02k	Redwood Creek and Deepwater Slough	8/14; 8/25; 9/10			X	X	X			
		02l	Inner Bair Island Restoration	9/14			X					
		02m	Pond B3 - Middle Bair Island Restoration	8/30; 9/14-9/15; 9/30; 10/14	Yes					X		
		02n	SF2	3 years with no Invasive Spartina (2018-2020)								
		02o	Central Bair	8/2-8/3; 10/15						X		
3	Blackie's Pasture	03a	Blackie's Creek (above bridge)	2 years with no Invasive Spartina (2019-2020)								
		03b	Blackie's Creek Mouth	4 years with no Invasive Spartina (2017-2020)								
4	Corte Madera Creek Complex	04a	Corte Madera Ecological Reserve (CMER)	10/19			X				X	
		04b	College of Marin Ecology Study Area	No invasive Spartina 2020								
		04c	Piper Park East								X	
		04d	Piper Park West	2 years with no Invasive Spartina (2019-2020)								
		04e	Larkspur Ferry Landing Area	10/19				X				
		04f	Riviera Circle	6/4 (COI)				X			X	
		04g	Creekside Park	6/8 (COI); 7/30; 9/3				X			X	
		04h	Upper Corte Madera Creek (Above Bon Air Road)	7/30; 9/8				X			X	
		04i	Lower Corte Madera Creek (between Bon Air Rd & HWY 101)	6/9 (COI); 7/30; 9/8; 10/19				X			X	
		04j.1	Corte Madera Creek Mouth - North Bank	7/30; 10/19				X			X	
		04j.2	Corte Madera Creek Mouth - South Bank	10/19				X			X	
		04k	Boardwalk No. 1 (Arkites)	6/10 (COI)							X	
04l	Murphy Creek								X			
		05a.1	Mowry Marsh & Slough	8/27; 11/12			X		X			
		05a.2	Calaveras Marsh	7/30; 9/29; 11/12			X	X	X			
		05b	Dumbarton/Audubon	8/27; 9/28; 9/30; 11/12			X		X			
		05c.1	Newark Slough West	9/28			X		X			

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5	Coyote Creek/Mowry Complex	05c.2	Newark Slough East	9/29; 9/30			X		X		
		05d	LaRiviere Marsh	9/29; 11/8	Yes		X				
		05e	Mayhew's Landing	9/29			X				
		05f	Coyote Creek- Alameda County	9/30			X		X		
		05g	Cargill Pond (W Hotel)	9/29			X				
		05h	Plummer Creek Mitigation	9/30; 11/8	Yes		X				
		05i	Island Ponds	10/1; 10/13	Yes				X		
6	Emeryville Crescent	06a	Emeryville Crescent East	10/14	Yes		X				
		06b	Emeryville Crescent West	10/14; 10/27	Yes		X				
7	Oro Loma Marsh	07a	Oro Loma Marsh-East	10/28-10/29	Yes		X		X		
		07b	Oro Loma Marsh-West	10/28-10/29	Yes		X		X		
8	Palo Alto Baylands	8	Palo Alto Baylands	9/1; 10/13; 11/8	Yes	X	X		X		
9	Tiscornia Marsh	9	Tiscornia Marsh	9/2; 10/5			X				
10	Point Pinole Marshes	10a	Whittell Marsh	8/19			X				
		10b	Southern Marsh								
		10c	Giant Marsh	9/30			X				
		10d	Breuner Marsh	9/30			X				
11	Southampton Marsh	11	Southampton Marsh	9/22		X					
12	Southeast San Francisco	12a	Pier 94	5 years with no invasive Spartina (2016-2020)							
		12b	Pier 98/Heron's Head	3 years with no Invasive Spartina (2018-2020)							
		12c	India Basin	7 years with no invasive Spartina (2014-2020)							
		12d	Hunters Point Naval Reserve	4 years with no Invasive Spartina (2017-2020)							
		12e	Yosemite Channel	No invasive Spartina 2021							
		12f	Candlestick Cove	6 years with no invasive Spartina (2015-2020)							
		12g	Crissy Field	7 years with no invasive Spartina (2014-2020)							

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					Truck	Backpack	Amphibious vehicle	Airboat	Aerial: Broadcast	
		12h	Yerba Buena Island	7 years with no invasive Spartina (2014-2020)						
		12i	Mission Creek	7 years with no invasive Spartina (2014-2020)						
13	Whale's Tail Complex	13a	Old Alameda Creek North Bank	No invasive Spartina 2021						
		13b	Old Alameda Creek Island	10/14	Yes		X			
		13c	Old Alameda Creek South Bank	9/10; 10/14	Yes		X			
		13d	Whale's Tail North Fluke	8/27; 9/10	Yes		X			
		13e	Whale's Tail South Fluke	9/10	Yes		X			
		13f	Cargill Mitigation Marsh	No invasive Spartina 2021						
		13g	Upstream of 20 Tide Gates	No invasive Spartina 2021						
		13h	Eden Landing-North Creek	10/14	Yes		X			
		13i	Eden Landing-Pond 10	8/27	Yes		X			
		13j	Eden Landing-Mt Eden Creek	8/27	Yes		X			
		13k	Eden Landing Reserve South-North Creek Marsh	8/2; 8/25; 11/2	Yes		X			
		13l	Eden Landing Reserve North- Mt Eden Creek Marsh	8/17; 8/25; 8/27; 11/2	Yes		X			
		13m	Eden Landing - Pond E8A, E9, and E8X	8/2; 10/14	Yes		X		X	
15	South Bay Marshes	15a.1	Charleston Slough to Mountain View Slough	7/29	Yes		X			
		15a.2	Stevens Ck to Guadalupe Sl	8/13	Yes		X			
		15a.3	Guadalupe Slough	8/13; 9/2; 10/12; 10/29	Yes		X		X	
		15a.4	Alviso Slough	8/3; 8/20; 8/31; 9/13; 9/27-9/28; 10/12; 10/13; 11/12			X		X	
		15a.5	Coyote Creek to Artesian Slough	9/30	Yes		X		X	
		15a.6	Knapp Tract (Pond A6)	9/2	Yes				X	
		15b	Faber/Laumeister Marsh	8/26; 9/1; 11/8	Yes		X			
		15c	Shoreline Regional Park	9/28; 11/8	Yes		X			
16	Cooley Landing Salt Pond Restoration	16.1	Cooley Landing Central	8/25-8/26; 9/1		X	X		X	
		16.2	Cooley Landing East	8/25-8/26; 9/1		X	X		X	
		17a	Alameda Island South (Elsie Roemer Bird Sanctuary, Crown Memorial State Beach, Crab Cove)	8/10; 10/4; 11/8 (R2)	Yes		X			

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17	Alameda/ San Leandro Bay Complex	17b	Bay Farm Island	8/10	Yes		X				
		17c.1	Arrowhead Marsh West	11/2-11/3			X		X		
		17c.2	Arrowhead Marsh East			WILL NOT BE TREATED IN 2021					
		17d.1	MLK Regional Shoreline - Fan Marsh Shoreline	7/19	Yes				X		
		17d.2	Airport Channel - MLK Shoreline	7/19; 8/10	Yes		X				
		17d.3	East Creek -MLK Shoreline	7/19			X				
		17d.4	MLK Regional Shoreline-Damon Marsh	11/2	Yes			X	X		
		17d.5	Damon Sl/Elmhurst Cr - MLK Shoreline	7/19			X				
		17e.1	San Leandro Creek North	7/19			X				
		17e.2	San Leandro Creek South	7/19			X				
		17f	Oakland Inner Harbor	8/30; 10/4				X		X	
		17g	Coast Guard Island					X			
		17h	MLK New Marsh			WILL NOT BE TREATED IN 2021					
		17i	Coliseum Channels					X			
		17j.1	Fan Marsh Wings	7/20	Yes			X			
		17j.2	Fan Marsh Main			WILL NOT BE TREATED IN 2021					
		17k	Airport Channel	7/19				X		X	
17l	Doolittle Pond	7/19	Yes			X					
17m	Alameda Island East: Aeolian Yacht Club & Eastern Shoreline	8/10	Yes			X					
18	Colma Creek/ San Bruno Marsh Complex	18a	Colma Creek	3 years with no invasive Spartina (2018-2020)							
		18b	Navigable Slough	4 years with no invasive Spartina (2017-2020)							
		18c	Old Shipyard	2 years with no invasive Spartina (2019-2020)							
		18d	Inner Harbor	7 years with no invasive Spartina (2014-2020)							
		18e	Sam Trans Peninsula	No invasive Spartina 2021							
		18f	Confluence Marsh	4 years with no invasive Spartina (2017-2020)							

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		18g	San Bruno Marsh	2 years with no invasive Spartina (2019-2020)							
		18h	San Bruno Creek	9/29	Yes		X				
19	West San Francisco Bay	19a	Brisbane Lagoon				X				
		19b	Sierra Point	6 years with no invasive Spartina (2015-2020)							
		19c	Oyster Cove	5 years with no invasive Spartina (2015-2020)							
		19d	Oyster Point Marina	6 years with no invasive Spartina (2015-2020)							
		19e	Oyster Point Park	No invasive Spartina 2021							
		19f	Point San Bruno	No invasive Spartina 2021							
		19g	Seaplane Harbor	3 years with no invasive Spartina (2018-2020)							
		19h	SFO	9/23; 9/29				X		X	
		19i	Mills Creek Mouth	9/23				X		X	
		19j	Easton Creek Mouth	9/23				X		X	
		19k	Sanchez Marsh	7/28				X			X
		19l	Burlingame Lagoon	7/28				X			X
		19m	Fisherman's Park	9 years with no invasive Spartina (2012-2020)							
		19n	Coyote Point Marina / Marsh					X			
		19o	San Mateo Creek / Ryder Park	8/12				X			
		19p.1	Seal Slough Mouth - Central Marsh	8/19				X			
		19p.2	Seal Slough Mouth - Peripheral Marshes	8/19				X			
19q	Foster City					X					
19r	Anza Lagoon	6 years with no invasive Spartina (2016-2021)									
19s	Maple Street Channel	2 years with no invasive Spartina (2019-2020)									
		20a	Oyster Bay Regional Shoreline	7/16			X				

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20	San Leandro / Hayward Shoreline	20b	Oakland Metropolitan Golf Links	7/16			X				
		20c	Dog Bone Marsh				X				
		20d.1	Citation Marsh South			X	X				
		20d.2a	Citation Marsh Upper	8/23-8/24; 9/23-9/24; 10/8; 10/11	Yes	X	X				
		20d.2b	Citation Marsh Central			WILL NOT BE TREATED IN 2021					
		20e	East Marsh	10/15	Yes		X				
		20f	North Marsh			WILL NOT BE TREATED IN 2021					
		20g	Bunker Marsh	10/12; 10/27		X	X	X			
		20h.1	San Lorenzo Creek & Mouth North	10/15			X				
		20h.2	San Lorenzo Creek & Mouth South	10/12			X				
		20i	Bockmann Channel	7/29			X				
		20j	Sulphur Creek	7/29			X				
		20k	Hayward Landing	7/29			X				
		20l	Johnson's Landing	7/29			X				
		20m	Cogswell Marsh, Quadrant A	8/16			X				
		20n.1	Cogswell Marsh, Quadrant B Bayfront			X	X				
		20n.2	Cogswell Marsh, Quadrant B South	10/28		X		X			
		20n.3	Cogswell Marsh, Quadrant B Main	8/24			X			X	
		20o	Cogswell Marsh, Quadrant C	10/28		X	X	X			
		20p	Hayward Shoreline Outliers				X				
		20q	San Leandro Shoreline Outliers				X				
		20r	Oakland Airport Shoreline and Channels	10/5	Yes		X				
		20s	H.A.R.D. Marsh	8/16			X				
20t	San Leandro Marina	7/20			X						
20u	Estudillo Creek Channel	7/20		X	X						
20v	Hayward Landing Canal	7/29			X						

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		20w	Triangle Marsh	7/29			X			
21	Ideal Marsh	21a	Ideal Marsh North	9/28			X			
		21b	Ideal Marsh South	9/28			X			
22	Two Points Complex	22a	Wildcat Marsh	9/9; 9/27	Yes		X		X	
		22b.1	San Pablo Marsh East	9/27; 9/30; 10/1	Yes		X		X	
		22b.2	San Pablo Marsh West	9/27; 9/30; 11/2	Yes		X		X	
		22c	Rheem Creek	9/30; 10/4			X			
		22d	Stege Marsh	11/2	Yes		X			
		22e	Hoffman Marsh	10/5	Yes		X			
		22f	Richmond/ Albany /Pinole Shoreline	8/11; 10/5			X			
23	Marin Outliers	23a	Brickyard Cove	8/25			X			
		23b	Beach Drive	8/25	Yes		X			
		23c	Loch Lomond Marina	2 years with no invasive Spartina (2019-2020)						
		23d.1	San Rafael Canal Mouth East	9/24			X			
		23d.2	San Rafael Canal Mouth West	9/2			X			
		23e	Muzzi & Marta's Marsh	6/4 (COI); 9/8; 9/15			X			X
		23f	Paradise Cay	11/3			X			X
		23g	Greenwood Cove							X
		23h	Strawberry Point	11/2						X
		23i	Strawberry Cove	8/25			X			
		23j	Bothin Marsh	10/19			X			
		23k	Sausalito	7 years with no invasive Spartina (2015-2021)						
		23l	Starkweather Park	5 years with no invasive Spartina (2016-2020)						
		23m	Novato	3 years with no invasive Spartina (2016-2018)						
23n	Triangle Marsh & shoreline	2 years with no invasive Spartina (2019-2020)								

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		23o	China Camp	5 years with no invasive Spartina (2017-2021)						
24	Petaluma River	24a	Upper Petaluma River- Upstream of Grey's Field	8/24			X		X	
		24b	Grey's Field	No invasive Spartina 2021						
		24c	Petaluma Marsh	8/24			X		X	
25	Outer Coast	25a	Tom's Point (Tomaes Bay)	6/11 (COI)						X
		25b	Limantour Estero	7 years with no invasive Spartina (2012-2018)						
		25c	Drakes Estero	6 years with no invasive Spartina (2013-2018)						
		25d	Bolinas Lagoon north	2 years with no invasive Spartina (2019-2020)						
		25e	Bolinas Lagoon south	6 years with no invasive Spartina (2013-2018)						
26	North San Pablo Bay	26a	White Slough / Napa River	5 years with no invasive Spartina (2011-2015)						
		26b	San Pablo Bay NWR & Mare Island	7/30; 10/13			X			X
		26c	Sonoma Creek	7/30			X			
		26d	Sonoma Baylands	8 years with no invasive Spartina (2011-2018)						
27	Suisun Bay	27a	Point Buckler	7/28			X			
		27b	MOTCO Islands	7/27-7/28			X			
		27c	Honker Bay	7/27-7/28; 8/11; 8/16			X			
		27d	MOTCO mainland	8/11			X			

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