

San Francisco ESTUARY INVASIVE Spartina Project

#### Preserving native wetlands

# San Francisco Estuary Invasive Spartina Project: Progress Update and Beginning Phased Treatment at the Final Sites



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### **Project Overview**





Status of invasive cordgrass (hybridized *S. alterniflora* × *foliosa*) infestation throughout San Francisco Estuary from 2005 to 2020. Legend as above except "3+ Years No Invasive Spartina" sites are not highlighted.



Ridgway's rails and other sensitive tidal marsh species.

enhancement at Cogswell Marsh C



# www.calipc.org/spartina

#### Phased Treatment

• Treatment has proceeded slowly at selected sites to protect the endangered California Ridgway's rail (Rallus obsoletus obsoletus).

• In 2018, after annual Ridgway's rail monitoring showed populations had stabilized, ISP began phasing in treatment at the 15 sites where treatment had been halted to help reduce impacts to rails.

• By 2023, hybrid Spartina was reduced by 85% at the nine Phase 1 sites, totaling 8.8 acres removed from the Estuary. Treatment resumed at three of the Phase 2 sites in 2023, with plans to resume treatment at the final three sites over the next several years.

	Year Treatment	Reduction Since Full
Name	Resumed	<b>Treatment Resumed</b>
	2018	43%
h B South		99%
h C		99%
		99%
ngs		99%
reek Mouth North		99.7%
	2019	99%
h B Bayfront		97%
Upper	2020	97%
Central	2023	
h B Main		
n		
	planned 2025	
arsh East	planned 2027	
sh		





Treatment at the phased sites has been coupled with habitat enhancement in nearby and adjacent sites through the installation of native marsh plants to benefit California

• Since 2012, the program has installed close to 600,000 natives and constructed 82 high tide refuge islands to help provide additional habitat cover at more than 40 sites around



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Tall, dense monocultures of invasive Spartina typify sites where treatment was halted until phased treatment resumed in 2018.



Phase 2 treatment initiation in 2023 at Cogswell Marsh B Main (left) and Fan Marsh Main (right)



Phase 1 treatment reduced hybrid Spartina at Cogswell Marsh B South by 99%, allowing marsh gumplant that ISP had previously installed along the channels to flourish into rail habitat

Marsh-upland transition zone enhancements at Citation Marsh Central