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Detailed Objectives	Evaluation Criteria
Recover the south bay subspecies of the salt marsh harvest mouse	Area of complete salt marshes, with broad marshplain (<i>i.e.</i> , pickleweed) habitat and broad upland/peripheral halophyte transitional zones, and interconnected restored marsh areas
Meet the South Bay portions of the recovery plan for the California Clapper Rail	Area of broad tidal marshes with extensive, dendritic channel systems and appropriate vegetation structure
Re-establish populations of <i>Cordylanthus maritimus</i> ssp. <i>palustris</i> and <i>Sueda californica</i>	Area of high marsh/upland transitional zones
Meet recovery goals for Snowy Plovers	Area of suitable breeding habitat

1B. Maintain current migratory and associated structures such a	bird species that utilize existing salt ponds as levees
Detailed Objectives	Evaluation Criteria
Maintain current populations of birds breeding at the salt ponds	Estimate of numbers of breeding birds
Maintain habitat for salt pond specialized birds (<i>e.g.</i> , Wilson's Phaleropes)	Area of pond habitat with somewhat elevated salinities
Maintain current population levels or foraging shorebirds	Estimate of foraging habitat area

Bio Habitat		
Objective 1C. Support increased abundance and diversity of native species in various South SF Bay aquatic and terrestrial ecosystem components, including plants, invertebrates, fish, mammals, birds, reptiles and amphibians		
Detailed Objectives	Evaluation Criteria	
Maintain or enhance the populations of shorebirds currently using intertidal mudflat habitat	Area of mudflat habitat available in South Bay through the life of the project	
Enhance South Bay fish populations	Area of tidal channel habitat within marshes	
Enhance habitat for intertidal invertebrate populations by contributing to the detrital food web	Area of intertidal habitat	
Enhance harbor seal habitat for foraging and	Area of new, large tidal channels	

Objective 2. Maintain or improve existing levels of flood protection in the South Bay area	
Detailed Objectives	Evaluation Criteria
Maintain existing levels of flood protection in the South Bay area	Must not increase existing potential water inundation frequency, depth, and duration*
Improve existing levels of flood protection in the South Bay area	Decrease in potential water inundation frequency, depth, and duration

* EXCLUSION CRITERION, *i.e.*, <u>must</u> be met by alternative to carry forward and receive further consideration

Public Access and	d Recreation
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Objective 3. Provide public access and recreational opportunities compatible with wildlife and habitat goals

Detailed Objectives	Evaluation Criteria
Promote public use program consistent with DFG and USFWS missions	Number of compatible uses to relevant agency codes and criteria
Provide recreation that promotes wildlife-oriented public use	Number of opportunities for USFWS "priority uses"
Provide recreation for a variety of users	Number of user types accommodated
Create opportunities for linking the project areas to existing public open spaces and adjacent communities	Number of links provided
Enhance opportunity for visual experience	Number of viewing areas/viewpoints/scenic overlooks

Water an	d Sediment	t Quality
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Objective 4. Protect or improve existing levels of water and sediment quality in the South Bay, and take into account ecological risks caused by restoration

Detailed Objectives	Evaluation Criteria
Maintain existing levels of water quality (surface and groundwater)	Within the range of background concentrations of key indicator constituents (<i>e.g.</i> , mercury, metals, nutrients, algae)
Assess and manage ecological risk associated with mercury methylation and bioaccumulation	Targets or thresholds to be determined
Assess and manage mobilization of existing contaminants present in sediments	Higher concentration sediments stabilized and protected from erosion or transport

Nuisance Species Management

Objective 5. Implement design and management measures to maintain or improve current levels of vector management, control predation on special status species, and manage the spread of non-native invasive species

Detailed Objectives	Evaluation Criteria
Maintain or improve the current levels of mosquito management	Area of potential mosquito habitat
Improve protection from predators and reduce need for predator management	Area of isolated tidal marshes
Ainimize colonization of mudflats Ind marshplain by non-native Spartina and its hybrids	Area of potentially colonizable mudflat

Infrastructure

Objective 6. Protect the services provided by existing infrastructure (*e.g.*, power lines, railroads)

Detailed Objectives	Evaluation Criteria
Maintain the services provided by existing infrastructure	Must not increase risk of failure or service degradation due to physical changes (<i>e.g.</i> , from scour or sedimentation, water inundation, increased environmental loads, reduced access, direct construction impacts, etc.)*

* EXCLUSION CRITERION, *i.e.*, <u>must</u> be met by alternative to carry forward and receive further consideration

Consider costs of implementation, management, and monitoring so that planned activities can be effectively executed with available funding.		
Detailed Objectives	Evaluation Criteria	
Manage construction costs to achieve project goals and objectives with available funding	Dollars	
Manage long-term operations and maintenance costs	Dollars, 50-year time frame	
Manage monitoring costs to support project goals and objectives	Dollars, 10-year time frame	
Institute a long-term viable funding strategy	Assessment of institutional complexity and achievability	
Increase partnerships and alliances to institute the long-term funding strategy	Participation by multiple entities (<i>e.g.</i> , Corps, SCVWD and others) in long-term funding	
Achieve a favorable benefit/cost ratio	Calculation of b/c ratio, using Corps procedures	
Limit costs of delay	Assessment of institutional and legal complexity/controversy	

Environmental Impact

Promote environmental benefit and reduce impacts in areas other than biology		
Detailed Objectives	Evaluation Criteria	
Preserve cultural resources, including important archaeological and historical sites	Number of cultural resource sites impacted Number of opportunities for interpretation and education	
Provide public services to accommodate projected demand	Number of police patrols needed Response times for fire, police and ambulance services	
Promote compatibility with surrounding land plans and uses	Level of land use compatibility	
Provide safe, convenient access to the project area while managing congestion on nearby streets	Number of vehicle trips Number of parking spaces Number of bicycle lanes Level of service on nearby roads	
Enhance air quality for proposed and surrounding uses	Air pollutant levels Potential for creation of objectionable odors	
Manage noise levels for proposed and surrounding uses	Decibel levels Number of noise-generating activities Distance between noise-generating activities and nearby sensitive receptors	

Rating Alternatives Against the Detailed Objectives

• Nine-point rating scale from Low - to High +

	Low +	Medium +	High +
	Low	Medium	High
	Low -	Medium -	High -

- Graphic display to facilitate comparison and see differences
- Initially treat all Detailed Objectives equally
- Then explore varying the relative importance of selected
 Detailed Objectives
- Multiple "Sensitivity Runs" likely to provide insight and understanding for informed decision-making



