



CUDAHY CREEK WETLAND AND WATER QUALITY IMPROVEMENTS

Preliminary Engineering Report (PER)

Cudahy Creek Cove is an open water area covering roughly five acres along the eastern shoreline of Mission Bay. Located between Leisure Lagoon and Mission Bay Drive, the Cove lies at the base of Cudahy Creek and provides drainage for 864 acres upstream. It includes two storm drain networks, a mudflat area visible during low tide, and a second mudflat area with a sand bar.

This PER provides a preliminary plan to create 5.2 acres of salt marsh habitat within Cudahy Cove. The proposed marsh area would improve the quality of water in Mission Bay and provide new areas for viewing native plants and birds.

The Mission Bay Park Improvements Program Environmental Impact Report (PEIR) also includes PERs for the Tecolote Creek and North Fiesta Island Wetlands.

Project Goals

- Improve water quality with better tidal circulation and vegetation that filters runoff and removes pollutants
- Restore San Diego wetlands
- Enhance habitats for native plants and birds
- Reduce the risk of flooding along Cudahy Creek
- Attract new birds and fish to Mission Bay
- Reduce contaminants that could impact water contact sports like kayaking, swimming and paddle boarding

Opportunities for Improvement

Element	Purpose
Subtidal Channels	<ul style="list-style-type: none"> Connect the two Cudahy storm drain outfalls and the open water of Mission Bay to improve tidal circulation
Salt Marsh Wetland	<ul style="list-style-type: none"> Improve drainage between high water events to help plants survive when storms drop large volumes of soil and sediment
Berm Area	<ul style="list-style-type: none"> Hold water within the wetland area for longer times to allow plants to filter the water, improving water quality
Oyster Bag Slope	<ul style="list-style-type: none"> Stabilize areas and provide habitat for oysters, which filter the water and improve water quality
Fencing	<ul style="list-style-type: none"> Restrict access to allow plant growth following construction

