

RESTORING MCINNIS MARSH



RECLAIMING A HISTORIC TIDELAND AND PROTECTING AGAINST SEA LEVEL RISE

The McInnis Marsh restoration project is designed to protect park and sanitary district facilities, as well as important ecosystems that support special status species. The area currently experiences flooding during storm surges and king tides. In the near future, sea level rise will crest aging levees built in the 1900s.

180-acre McInnis Marsh is within the boundaries of 450-acre McInnis Park, which holds a golf course, sports fields, tennis courts, and a skatepark. Las Gallinas water treatment facilities sit next to the park. These structures are at risk of damage as sea levels rise.

Before the levees were built over 100 years ago, Gallinas Creek and Miller Creek connected to each other and San Pablo Bay. Sensitive species such as black rail, Ridgway's rail, and salt marsh harvest mouse depend on healthy intertidal wetland with a seasonal flow of fresh and salt water. Steelhead trout need to pass between creek and ocean. As sea levels rise in this location, these habitats will decline and disappear.

With a grant from the California Department of Fish and Wildlife and Measure A funding, Marin County Parks hired Environmental Science Associates (ESA) to design the project and prepare plans and specifications. The initial draft is currently under review. For the latest updates visit marincountyparks.org.

GOALS

- Protect existing McInnis Park and Las Gallinas water treatment facilities from sea level rise.
- Protect and improve habitat for special status species by expanding intertidal, subtidal, and transitional upland habitat.
- Maintain public access to marsh area and improve a connection to the San Francisco Bay Trail.
- Accommodate the movement of marsh habitat as sea level rises.
- Manage changes in hydrology without increasing flood risk to neighboring communities.

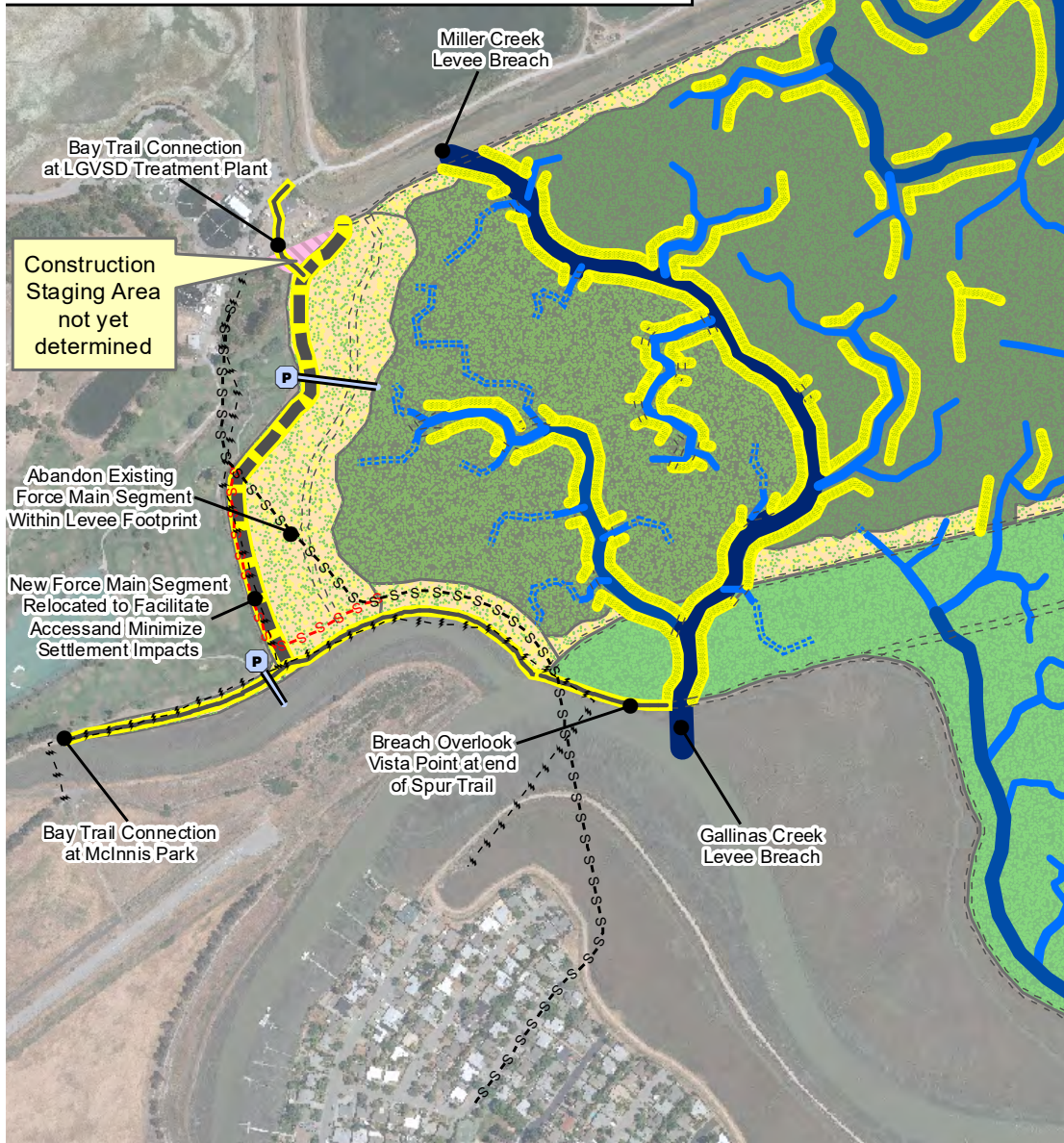


Marin County Flood Control
and Water Conservation District



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|-------------------------------------|--------------------------------------------|
| P Pump Stations | New Channels |
| — Stormwater Culvert | ● Largest Excavated Channel |
| ⚡ Existing Overhead Power Lines | ● Medium Excavated Channel |
| S-S Existing LGVSD Force Main | ● Small Excavated Channel |
| S-S Relocated Force Main Segment | ● Smallest Excavated Channel |
| New Berms & Levees | ⋯ Small Naturally Formed Channel (approx.) |
| ■ Habitat Berms | ■ Ecotone Levee/Transition Slope |
| ■ Ecotone Levee, with Bay Trail | Restored Tidal Marsh |
| ■ Levees and Berms with Trails | ■ High Marsh |
| - - Existing Berm - Lowered/Removed | ■ Low Marsh (with Placed Dredge Material) |
| ■ Construction Staging Area | ■ Low Marsh |



PROPOSED FEATURES

- Lower levees separating the marsh from Miller Creek, Gallinas Creek, and San Pablo Bay.
- Breach Miller and Gallinas Creeks to allow flow into the marsh at lower tides.
- Construct a gently sloped ecotone levee between McInnis Park Golf Course and the marsh.

PROJECT STATUS

- This project is in the design and environmental compliance phase.

PARTNERS

- Marin County Parks (lead agency)
- Las Gallinas Valley Sanitary District
- Marin County Flood Control and Water Conservation District

Funding support from:

- California Coastal Conservancy
- California Department of Fish and Wildlife