Limonium duriusculum Removal and Monitoring

Carpinteria Salt Marsh Reserve
Carpinteria, CA

Clients:
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Size: 230 acres

Focus: Invasive non-native plant control, monitoring, GIS mapping

Contract Period: August 2019-Present

Contracted Amount: $88,850.00

Project Overview:
After many years the non-native and highly invasive plant species *Limonium duriusculum* or European sea lavender had taken over large portions of the Carpinteria Salt Marsh Reserve. This resulted in the creation of large monotypic stands of the invasive species throughout the marsh that also threated the special status plant species *Chloropyron maritimum* ssp. maritimum or Salt marsh bird's-beak. Tidal Influence was hired as the ecological consultant for this invasive species management and monitoring project. As part of this project staff surveyed the marsh for occurrences of *Limonium duriusculum* and mapped out the populations. This field work resulted in the production of GIS maps of the invasive plant species that were used to inform and track the progress of a variety of control methods including hand pulling, solarization, and flame treatments.

Tidal Influence also monitored and mapped out the progress of this work to track the efficacy of the different methods used. Additionally, Tidal Influence staff were able to plan and implement removal of the invasive species from *Chlorpyron maritimum ssp. maritimum* stands.

Our involvement in this project is indicative of Tidal Influence's knowledge of invasive plant management, special status species, and Santa Barbara region habitats.