

DATE: October 28, 2022
TO: Bolinas Lagoon Advisory Council
FROM: Samantha Haimovitch, Superintendent
SUBJECT: Agenda Item #8: Agency Reports from Marin County Parks and Greater Farallones National Marine Sanctuary:

DISCUSSION

Project Update from Marin County Parks:

Bolinas Lagoon Wye Wetlands

Progress continues on completion of the designs for the bridge over Lewis Gulch Creek and the Initial Study. The revised date for completing them is January 2023.

Eucalyptus Trees

Per the Coastal Commission approved application to remove a total of 18 eucalyptus over the course of the next five years, taking up to five trees a year along Olema-Bolinas Road on the edge of the lagoon. At this time a total of 10 trees have been removed and staff is in the process of confirming the next 5 trees to be removed and collecting bids for the removals. The removal will take place in the next few months.

Project Update from Greater Farallones National Marine Sanctuary:

Invasive European Green Crab Removal Project

This summer Greater Farallones Association, with support from the sanctuary, UC Davis, and the Smithsonian Environmental Research Center worked together to execute the 13th year of invasive green crab removal in Seadrift Lagoon. In total 32, volunteers joined the project this year with many participants returning for multiple removal dates. Thanks to their help the project removed a total of 7,154 green crabs from Seadrift Lagoon, up from roughly 5,000 crabs removed in 2020. The project also recorded two native rock crabs, *cancer productus*, present in the lagoon which have not been seen for several years. Not only does the removal of invasive crabs reduce the threat of spread to the larger Bolinas Lagoon but, highlighted by the presence of the rock crabs, also promotes the return of native

species. Thanks to the project's removal efforts the health and diversity of Seadrift Lagoon is improving and the number of green crabs in Bolinas Lagoon remains low.

The South End Living Shoreline Project

As a result of a competitive request for proposals, a highly qualified team of consultants from GHD Consulting was selected to prepare a Feasibility Study for the Bolinas Lagoon South End Living Shoreline Project. The study will identify feasible, cost-effective, and ecologically beneficial project designs to reduce shoreline erosion, provide a buffer against changing water levels, and create important transitional habitat for birds and wildlife on the southern shoreline of Bolinas Lagoon. The project was also selected by the Army Corps of Engineers for funding through the Aquatic Ecosystem Restoration program.