

DATE: March 1, 2024
TO: Bolinas Lagoon Advisory Council
FROM: Dr. Wendy Kordesch, PhD, Geological Oceanographer with Greater Farallones Association
SUBJECT: Agenda Item #7: Greater Farallones and Cordell Bank National Marine Sanctuaries South End and Effects of Sea Level Rise Project Updates

DISCUSSION:

The South End Living Shoreline Project

Greater Farallones Association (GFA) is leading the South End Living Shoreline Project, in partnership with GFCBNMS, Seadrift Association, and Marin County. The project aims to 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 is currently in the planning phase and Spring and Summer 2024 will consist of site assessments and an evaluation of existing conditions. For questions about the project please contact Deb Self, GFA Executive Director at dself@farallones.org.

The Effects of Sea Level Rise Project

GFCBNMS is working with GFA, the U.S. Geological Survey, and Point Blue Conservation Science to advance implementation of nature-based solutions to sea level rise on the North-central coast. The four year long project is using field-based data and computer modeling to investigate the use of nature-based designs to reduce coastal inundation and develop best practices for the inclusion of ecosystems in coastal protection strategies. Site locations include the southern shoreline of Bolinas Lagoon and Stinson Beach. In Spring and Fall 2023, staff conducted aerial mapping of the lagoon's southern shoreline and Stinson Beach for shoreline change analysis and Spring and Fall surveys are planned for 2024. Data are available. For questions about the project please contact Dr. Wendy Kordesch, project manager, at wendy.kordesch@noaa.gov.