



SAN FRANCISCO LITTORAL CELL COASTAL REGIONAL SEDIMENT MANAGEMENT PLAN (CRSMP)

Client

US Army Corps of Engineers

Reference

John Dingler, USACE

1455 Market Street
San Francisco, CA 94103-1398

(503) 729-2492

John.R.Dingler@usace.army.mil

Contract: \$141,342

Schedule: September 2011 – October 2012

Service Area/Region of Impact

- San Francisco and San Mateo Counties Pacific Coastline from Fort Point, San Francisco to Pt. San Pedro, Pacifica

Key Team Members

- Doug George, Project Manager
- Bob Battalio, PE Project Director
- Elena Vandebroek
- Louis White, PE
- Brian Pittman
- To Dang

Major Work Products

- GIS Data Package
- Technical Documents
- Final CRSMP Plan



Overview

A Coastal Regional Sediment Management Plan (CRSMP) is a guidance and policy document that discusses how Regional Sediment Management (RSM) can be applied in a rapid, cost-effective, and resource-protective manner. ESA PWA is completing the CRSMP for a segment of the San Francisco Littoral Cell along the San Francisco and San Mateo Counties Pacific coastline for the Coastal Sediment Management Workgroup (CSMW). The CSMW is a taskforce, co-chaired by the U.S. Army Corps of Engineers and the California Natural Resources Agency, focused on the adverse impacts of coastal erosion on coastal habitats. Along with other federal, state and local/regional entities, the CSMW is working to implement RSM to augment or restore natural processes.

Preparing a CRSMP entails specifying how governance, outreach and technical approaches can support beneficial use of sediment resources without causing environmental degradation or public nuisance. Because the study region is heavily urbanized and includes the entrance to San Francisco Bay, many components were needed to produce a valuable plan. Assessment of geological and geomorphic processes, habitats and species of concern (terrestrial and marine), infrastructure at risk, economic costs/benefits, public access, and policies that may influence sediment management were conducted with existing data sets. In addition, to ensure the recommendations of the CRSMP are useful for a long-term planning outlook, the impacts of climate change and sea level rise were necessary to consider. Also, community ownership of the CRSMP was encouraged by public meetings and a Technical Working Group to make certain the plan is acceptable by local cities and counties.

Key Issues

- Coastal Erosion
- Sediment Transport
- Sea Level Rise
- Coastal Zone Management (Land and Ocean)
- Coastal and Marine Spatial Planning (CMSP)