

STATE OF CALIFORNIA  
REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

STAFF SUMMARY REPORT  
MEETING DATE: March 11, 2015

ITEM            7

SUBJECT:        **Flood Control 2.0 – Rebuilding Habitat and Shoreline Resilience through a New Generation of Flood Control Channel Design and Management** – Status Report by Caitlin Sweeney of the San Francisco Estuary Partnership

DISCUSSION: Flood Control 2.0 is a project designed to develop a set of innovative approaches for bringing environmental benefits and cost-savings to flood protection efforts at the mouths of creeks that drain to the Bay. Currently, many flood control channels near the Bay shoreline trap sediment, reducing the level of flood protection afforded and leading to costly and environmentally-damaging sediment removal. With future sea level rise, this condition will only worsen if new approaches are not developed. Flood Control 2.0 is evaluating the feasibility of two complementary approaches intended to transform trapped sediment in flood control channels into a resource: channel redesign where sufficient adjacent land use flexibility exists and sediment redistribution for highly-constrained channels.

Through an interdisciplinary team linking regional science expertise with on-the-ground flood control agencies, the project will develop a “toolbox” intended to advance channel redesign to restore wetland habitat, protect water quality, and provide shoreline protection and resilience.

Caitlin Sweeney, the San Francisco Estuary Partnership’s Project Contact, will update us on the progress and timing of Flood Control 2.0.

RECOMMENDATION: No action needed – information item.