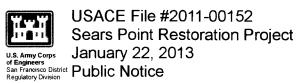
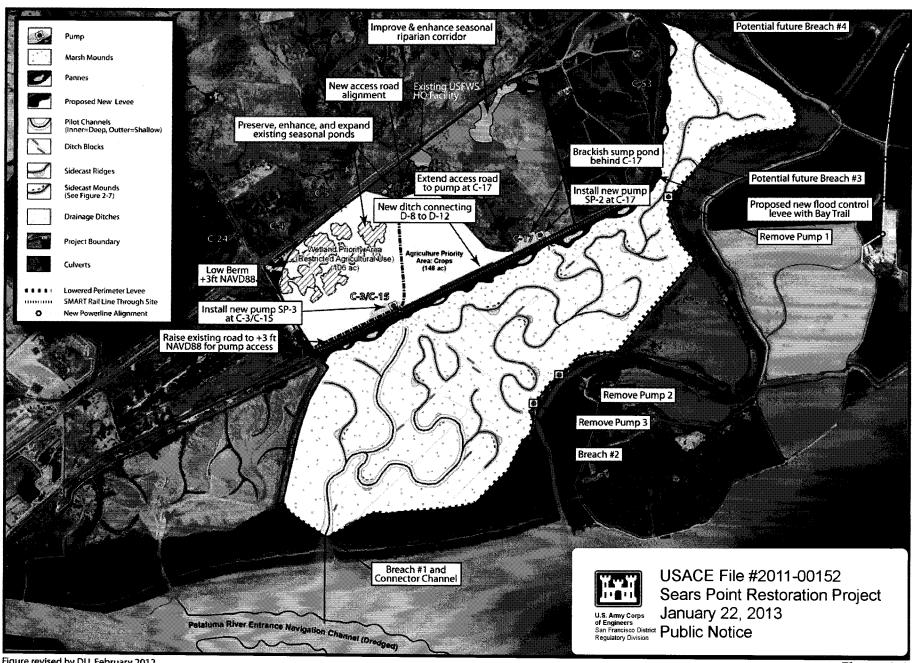
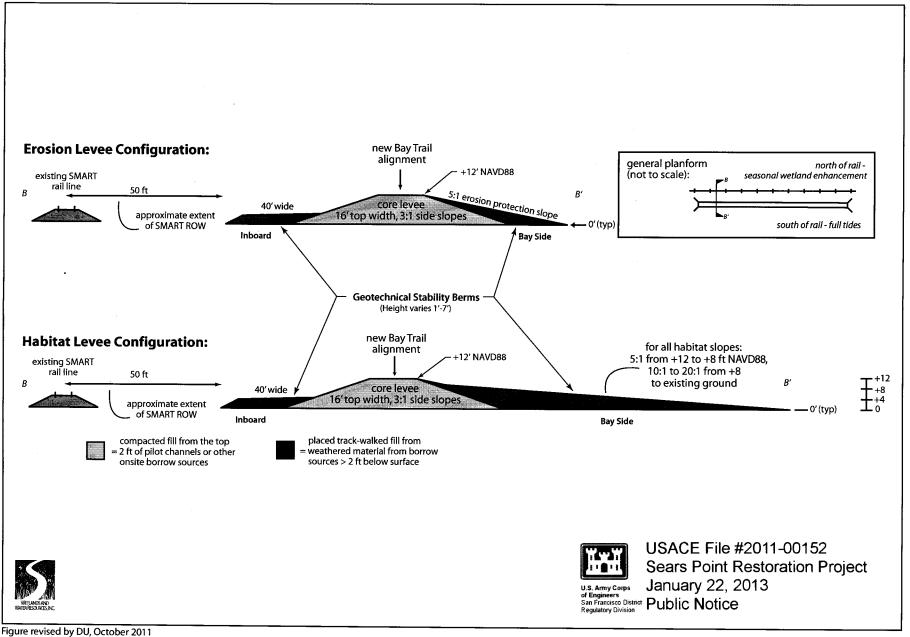


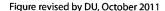
Figure 1-1
Sears Point Wetlands and Watershed Project Action Area



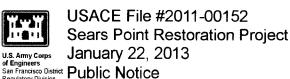




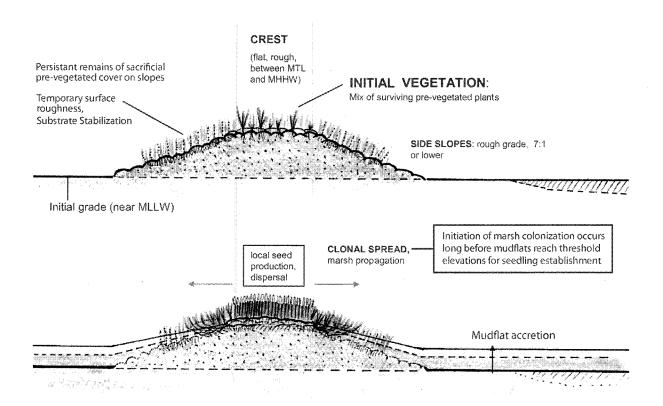
#### A) Perimeter Levee Cross-Section: Typical cross-section shown; elevations and slopes are representative top of existing perimeter levee, +11 ft NAVD88 (typical) soil to be top of future, lowered perimeter levee, removed +6.5 to +7.5 ft NAVD88 (MHHW to 1 ft above) levee base = 0 ft NAVD88 1 inch = 10 feet at A-size layout MHHW width = MHHW elevation **B) Breach Cross-Section:** 285 ft (Breaches 1 and 2) +6.5 ft NAVD88 (Breaches 1 and 2) 200 ft (Breaches 3 and 4) +6.0 ft NAVD88 (Breach 3) perimeter levee soil to be removed top elevation bottom width = 11 ft NAVD88 240 ft (Breaches 1 and 2) breach invert elevation 150 ft (Breach 3) 20 -5 ft NAVD88 (Breaches 1 and 2) -3 ft NAVD88 (Breach 3) 1 inch = 40 feet at A-size layout C) Pilot Channel Cross-Section: Typical cross-sections shown; elevations and slopes are representative top 2 ft = "core" **Trunk Channel Distribution Channel** levee material top width = 150 fttop width = 75ft-3'NAVD88 -5' NAVD88 bottom width bottom width $= 32 \, ft$ future marsh $= 63 \, \text{ft}$ plain (MHW) bottom 1-3 ft = "wet soils" for geotechnical stability

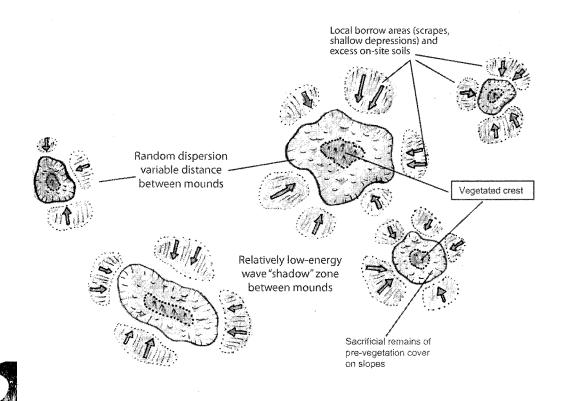


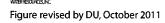
1 inch = 40 feet at A-size layout



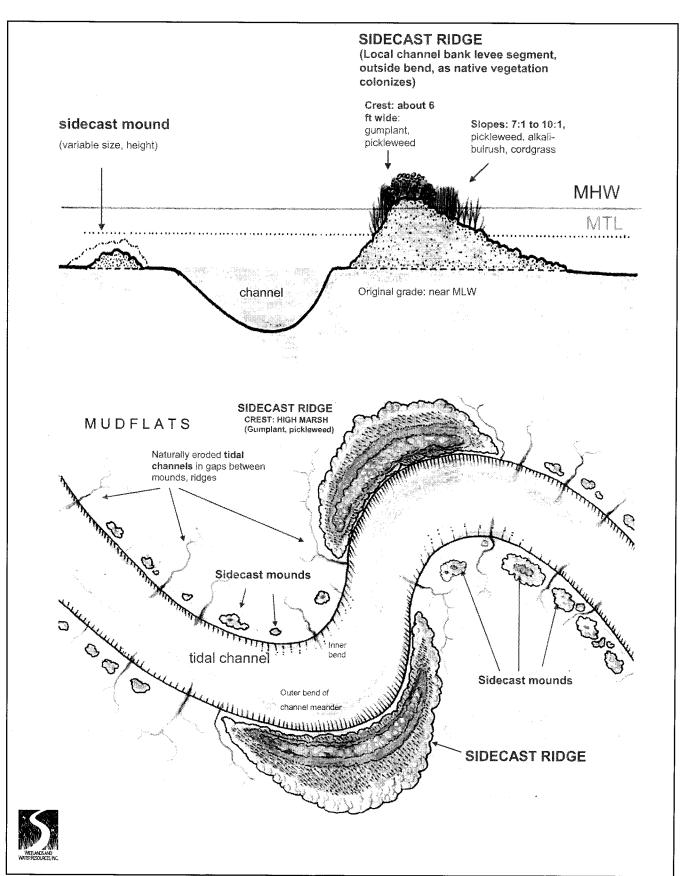
berms, erosion slopes, habitat slopes





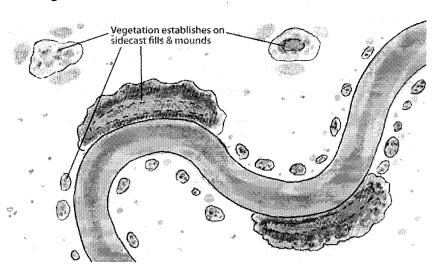




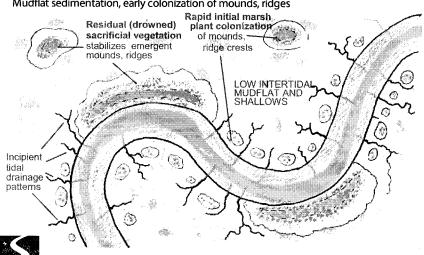


# **Post-Grading:** Tidal marsh template Diked bayland bed (near MLW) Sidecast ridge Constructed channel Sidecast mounds

## **Pre-vegetation Phase**







### **Salt Marsh Succession:**

Colonization of accreted mudflats, channel banks, new tidal drainages

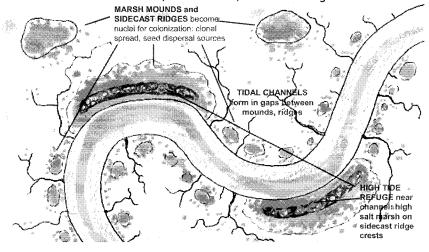


Figure revised by DU, October 2011



USACE File #2011-00152 Sears Point Restoration Project January 22, 2013 U.S. Army Corps of Engineers of Engineers San Francisco District Public Notice

Figure 2-7 **Mound/Sidecast Ridge Evolution** 

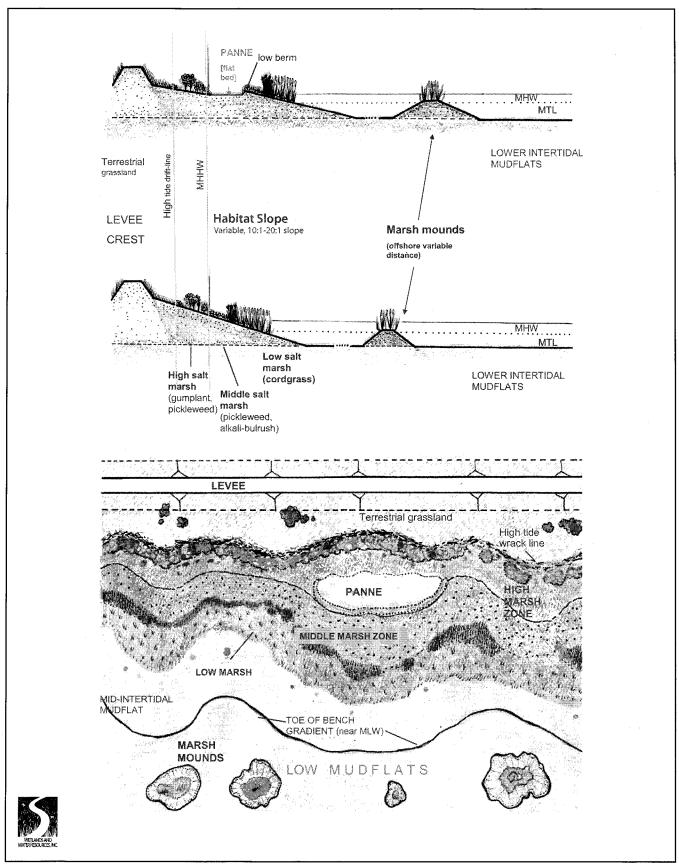


Figure revised by DU, October 2011

Figure 2-8 Habitat Levees with Pannes