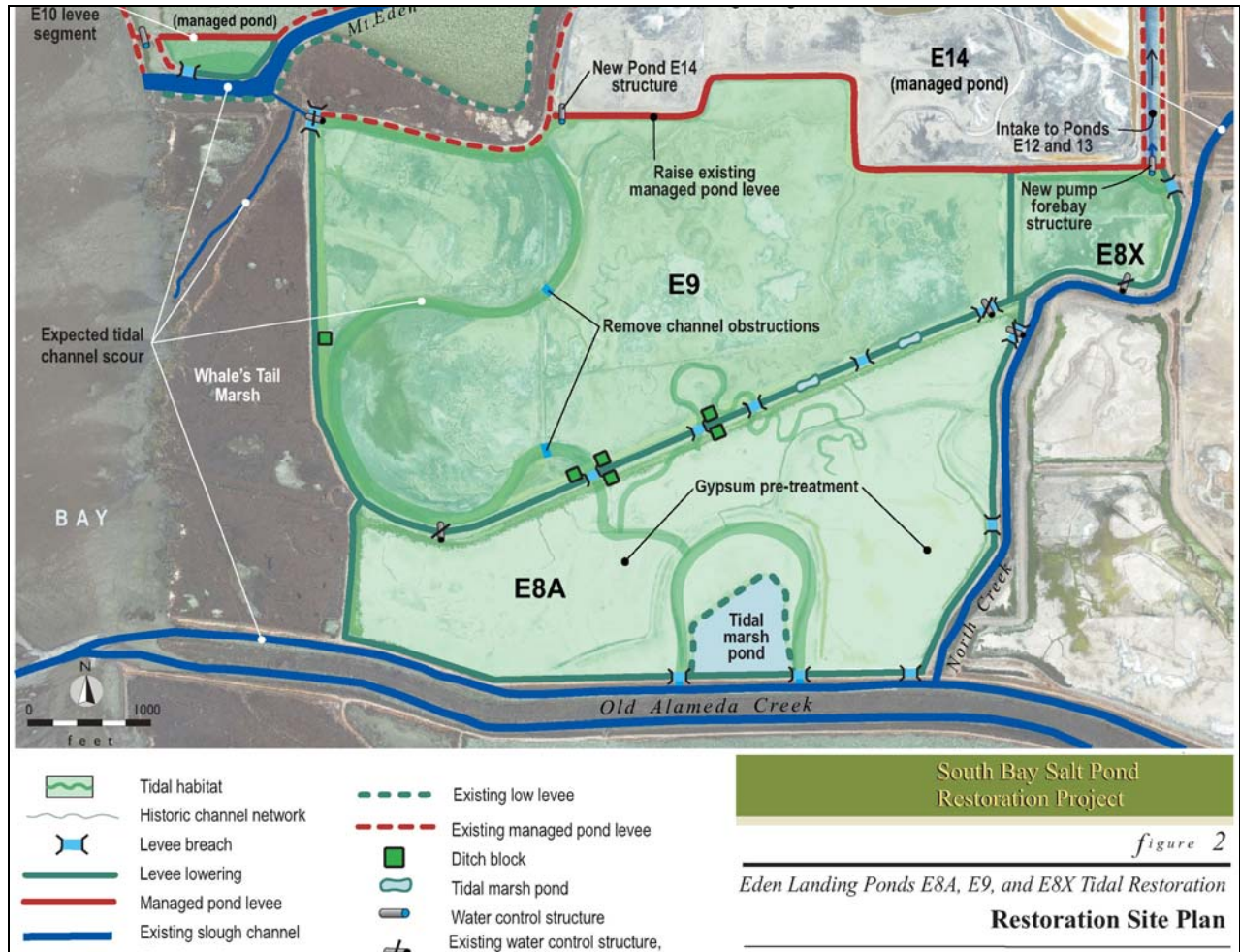


## EDEN LANDING PONDS E8A, E9 and E8X HANDOUT (July 23, 2007)



**Restoration Area:** 730 acres

**Estimated Cost (construction & adaptive management):** \$6 million

**Phase 1 Restoration Actions:** Eden Landing Ponds E8A, E9 and E8X would be restored to tidal action to create tidal salt marsh and tidal channel habitat. The ponds would be restored to tidal habitat by: breaching and lowering the outboard and inboard levees; improving and extending the levee between Pond E14 and Ponds E9 and E8X; excavating pilot channels through the fringe marsh outboard of the breaches; constructing ditch blocks in the borrow ditches; maintaining existing and constructing new pond/panne habitats within the pond area; and reconfiguring culvert connections.

**Applied Studies Questions:** Phase 1 experiments at Ponds E8A, E9 and E8X would test:

1. Relative influence of slough scour and marsh restoration on flood hazards.
2. Rates of marsh sedimentation.
3. Effects of pond sedimentation on existing outboard intertidal habitat.
4. Use of marsh ponds by significant numbers of foraging and roosting shorebirds.