



# South Bay Salt Pond Restoration Project

*Restoring the Wild Heart of the South Bay*



**Stakeholder Forum Meeting, 20 October 2011, 1-4 p.m.  
John Bourgeois, Coastal Conservancy, Project Manager**

# Today's Agenda

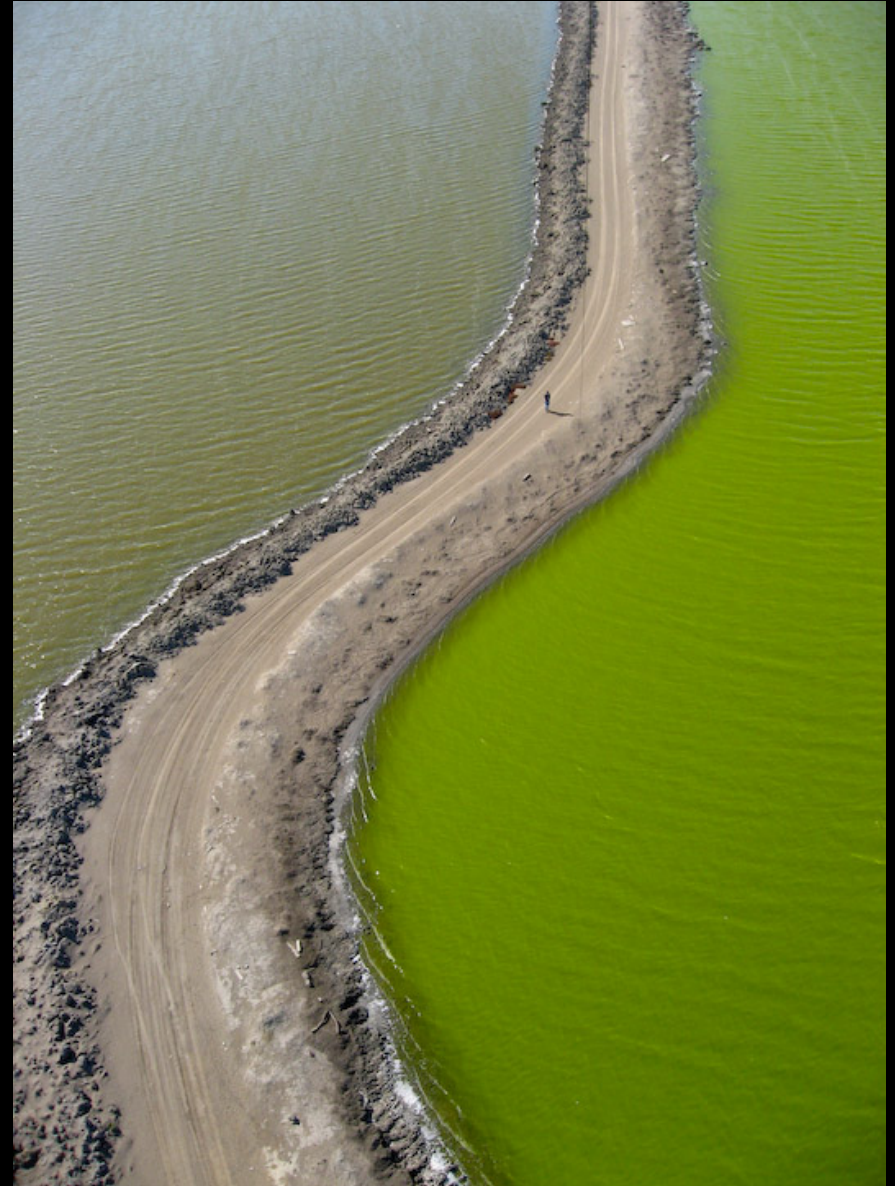
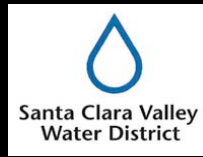
- Introductions and Welcome
- Tracking Our Progress
  - Project Management & Funding
  - Phase 1 Construction
  - Science Program Update
- Looking Ahead to Phase 2
- South San Francisco Bay Shoreline Study Update

# Tracking Our Progress 2011

# Project Management & Funding



# Project Management Team



# Project Funding

- Federal funds
  - Appropriations
  - Grants
- Mitigation/penalty funds
- Local funds
- State funds (bonds)

# Federal Funds - Appropriations

- USFWS appropriations for construction
  - \$4.9 million FY 08
  - \$4 million FY 09
  - \$2.5 million FY 10
- USGS appropriations for science
  - \$0.5 million FY 08
  - \$0.5 million FY 09
  - \$1.0 million FY 10



# Federal Funds - Grants

- NOAA-ARRA
  - \$1.6 million – Pond A6
  - \$1.0 million – Pond A8
  - \$3.2 million – Ponds E8A/9/8X
  - \$1.6 million – Invasive Spartina Control
- USFWS-NCWC
  - \$1.0 million – Ponds E8A/9/8X
- USEPA/SFEP
  - \$0.4 million – Applied Studies

# Mitigation/Penalty Funds

- \$1.1 million Caltrans Ravenswood Pier
- \$0.49 million Menlo Park Bay Account
- \$0.58 million NFWF (Leopard Shark)



# Local Funds

- Santa Clara Valley Water District
  - Pond A8
  - South Bay Shoreline Study
- Alameda County Flood Control District
  - Ponds E8A/9/8X



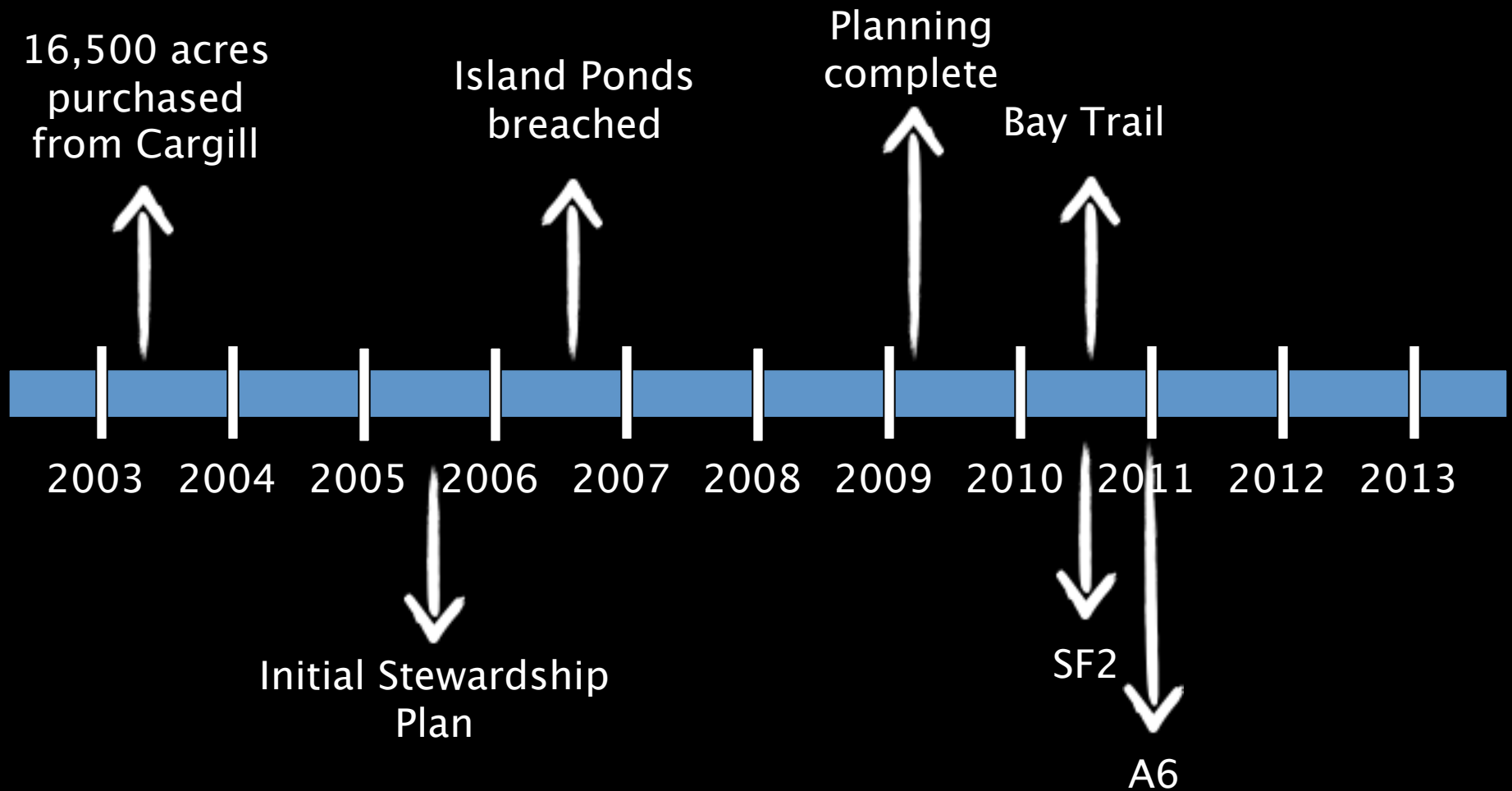
# State Funds

- Coastal Conservancy
  - Design and public participation contracts
  - \$1.5 million – Pond SF2 => Ponds E8A/9/8X
  - \$0.75 million – Applied Studies now
  - \$0.75 million – Applied Studies future
  - Phase 2 planning support
- Wildlife Conservation Board
  - ~\$10 million – Restoration future



# Tracking Our Progress: Project-wide Phase 1 Construction





Restored to Date

Tidal: 840 ac

Muted Tidal: -

Reconfigured Ponds: 240 ac

Total: 1.080 ac

New Trails: 3.2 miles

# PHASE ONE: ALVISO

Pond A6: Tidal Marsh (360 acres)

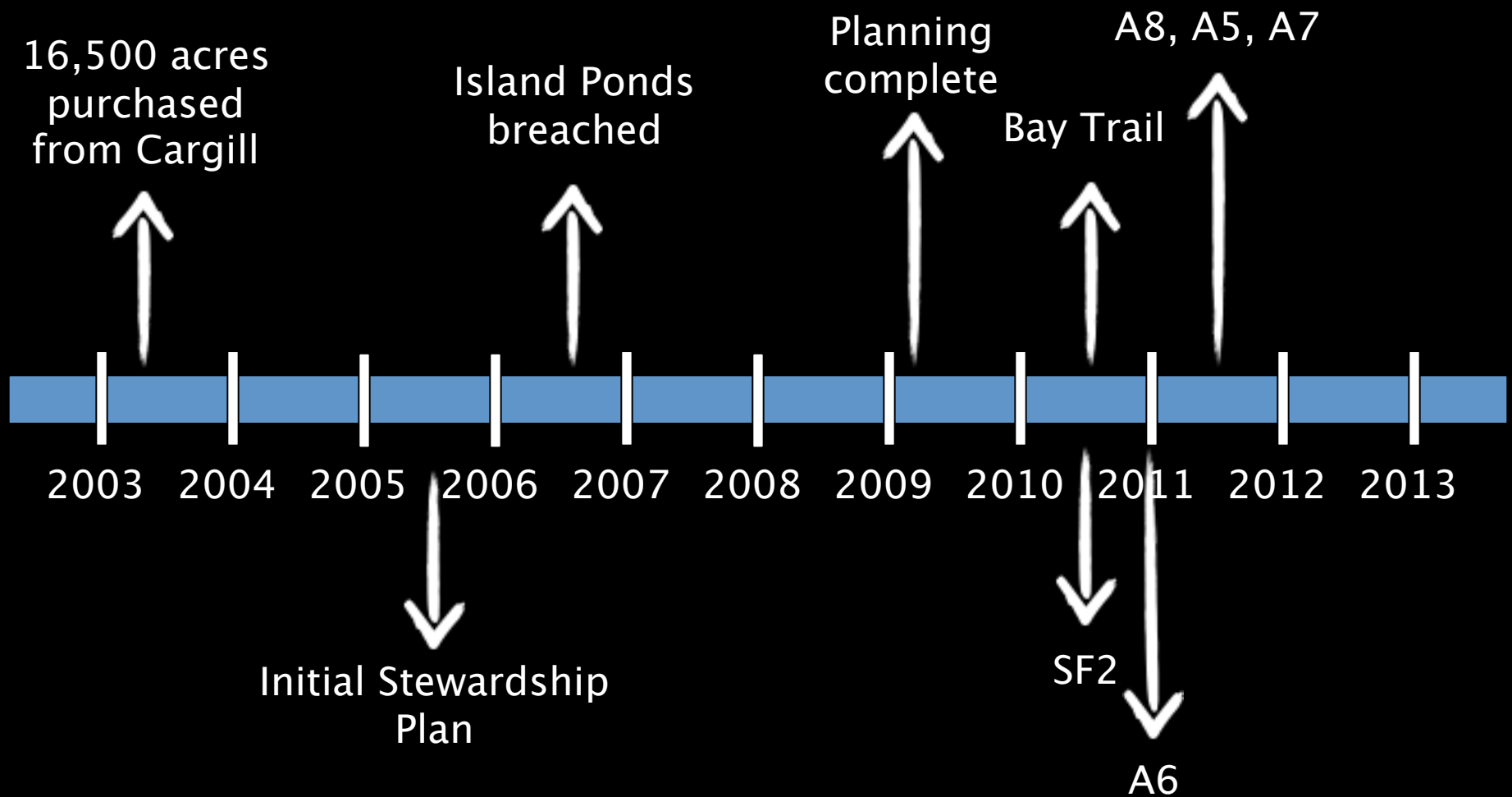




# Pond A6

Status:  
Levees  
breached in  
December  
2010





Restored to Date

Tidal: 840 ac  
 Muted Tidal: 1,440 ac  
 Reconfigured Ponds: 240 ac  
 Total: 2,520 ac  
 New Trails: 3.2 miles



# PHASE ONE: ALVISO

Ponds A8, A5, A7



Proposed: shallow tidal habitat with new marsh (1400 acres)

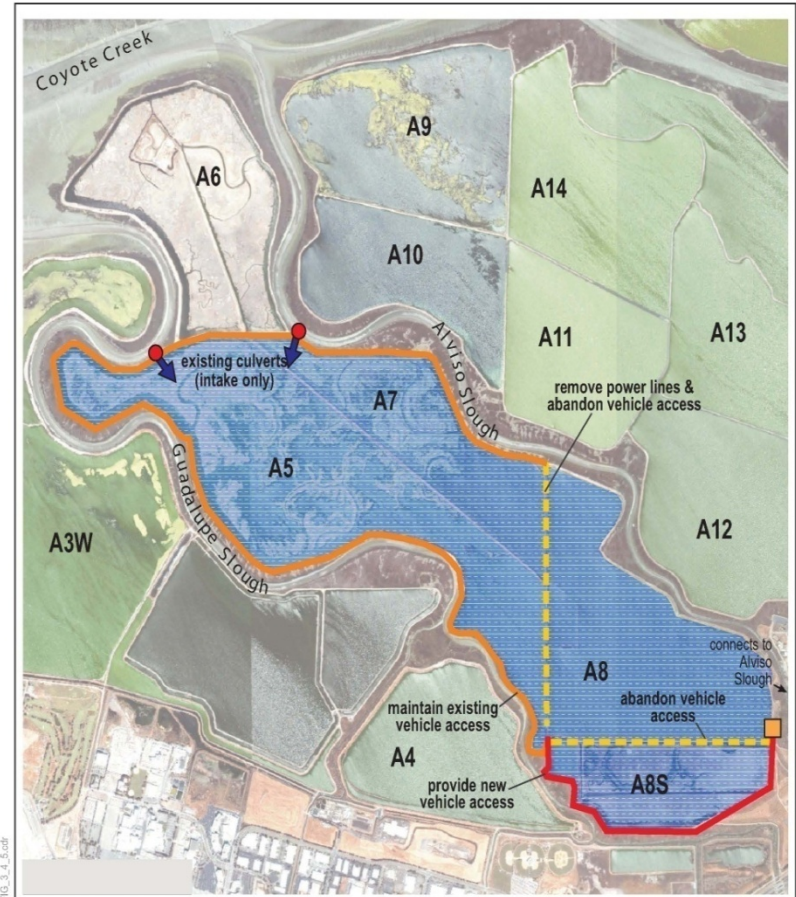




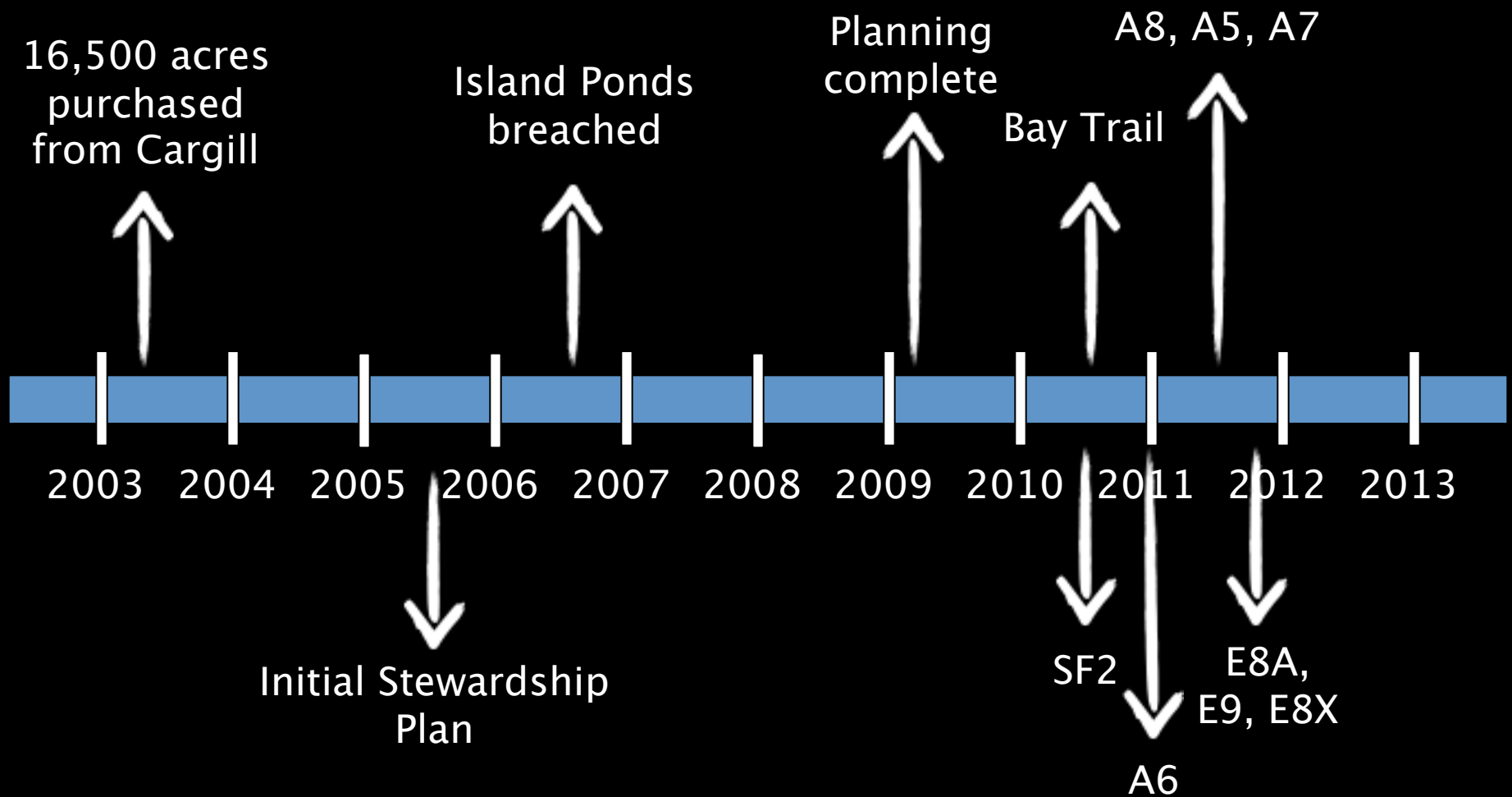


Photo Credit: Chris Benton





Status: Gates opened June 1, 2011



Restored to Date

Tidal: 1,470 ac

Muted Tidal: 1,440 ac

Reconfigured Ponds: 240 ac

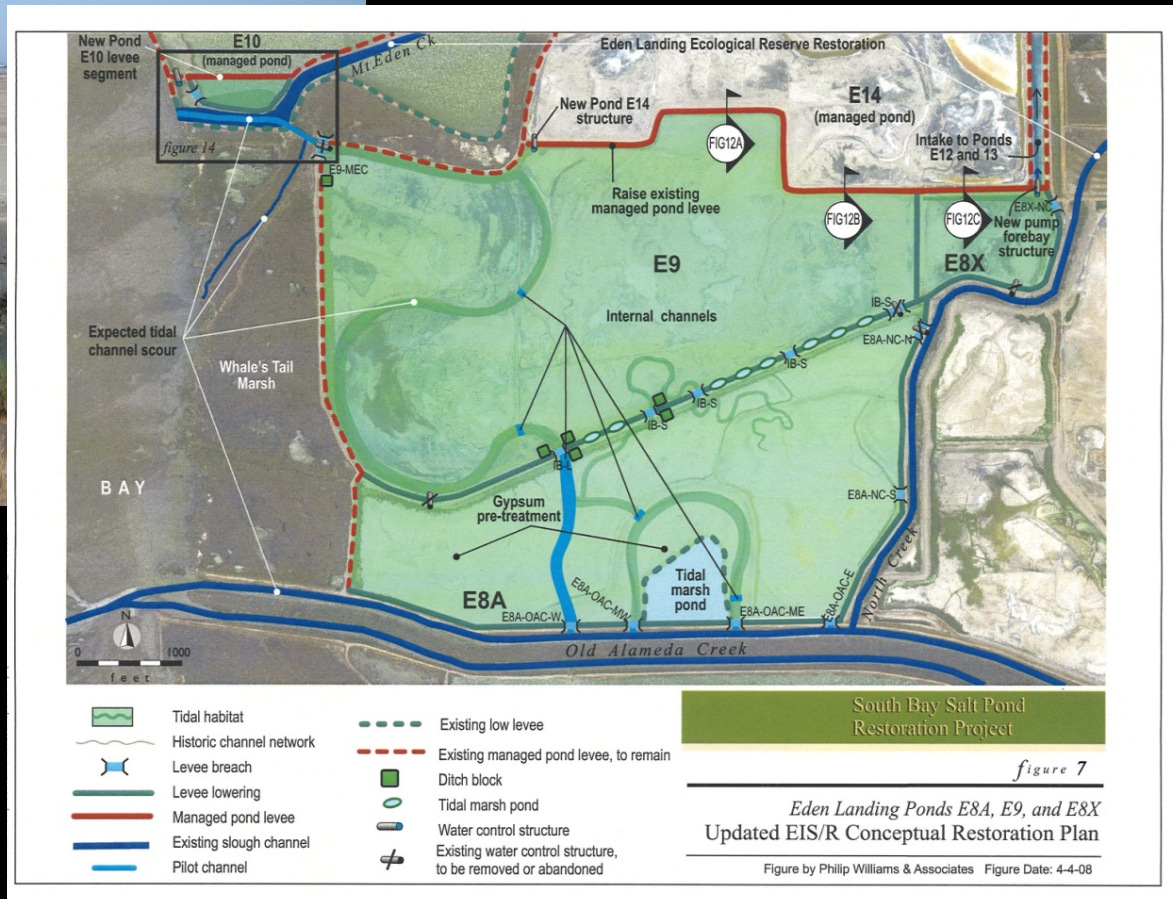
Total: 3,150 ac

New Trails: 3.2 miles

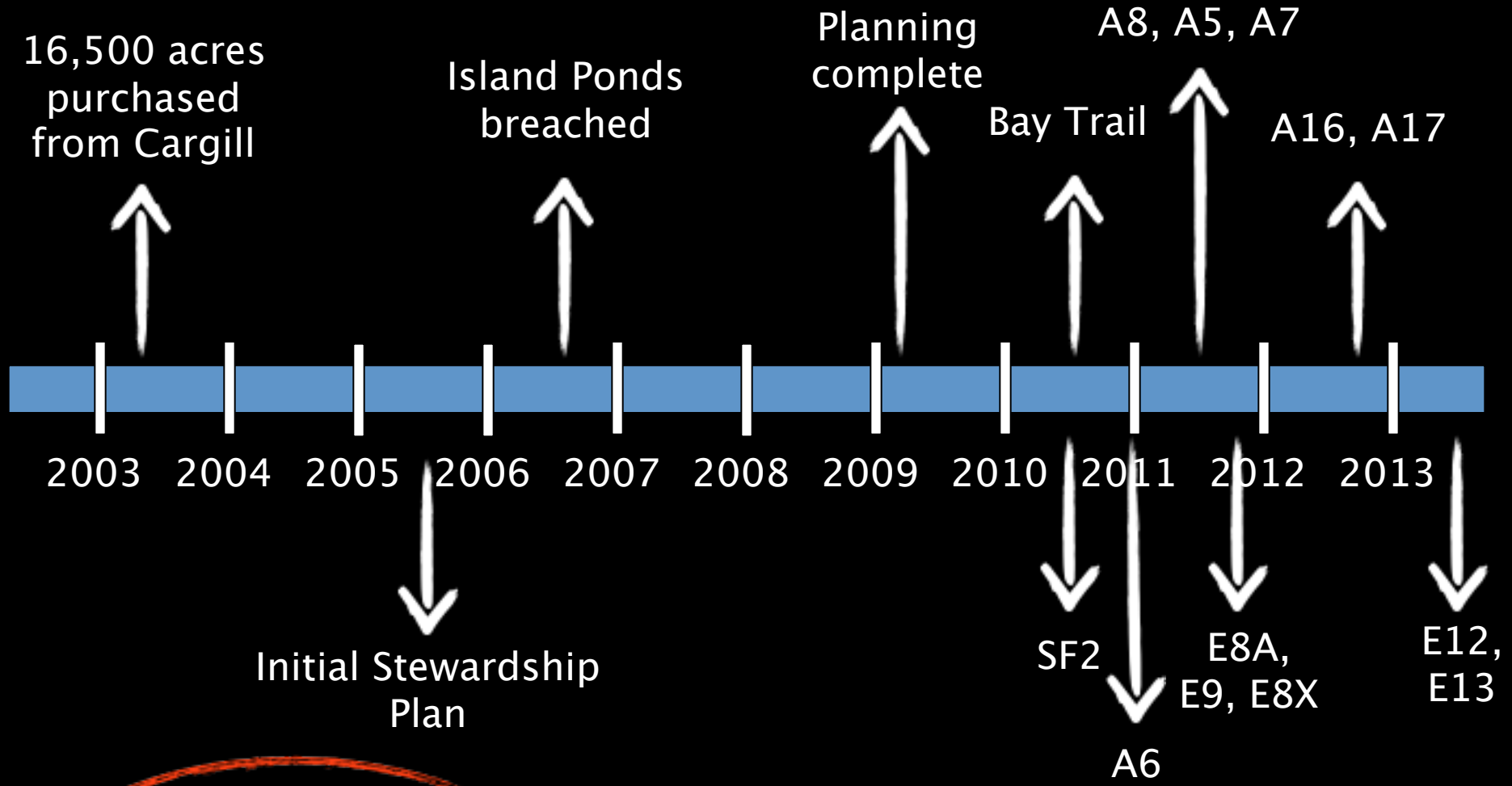


# PHASE ONE: EDEN LANDING

## Ponds E8A/E9/E8X: Tidal Marsh (630 acres)







Restored to Date

Tidal: 1,600 ac

Muted Tidal: 1,440 ac

Reconfigured Ponds: 710 ac

Total: 3,750 ac

New Trails: 7 miles

# Science Program Update

# Looking Ahead to Phase 2



# South Bay Salt Pond Restoration Project

Figure ES-3c. Alternative B: Managed Pond Emphasis Ravenswood, Year 50

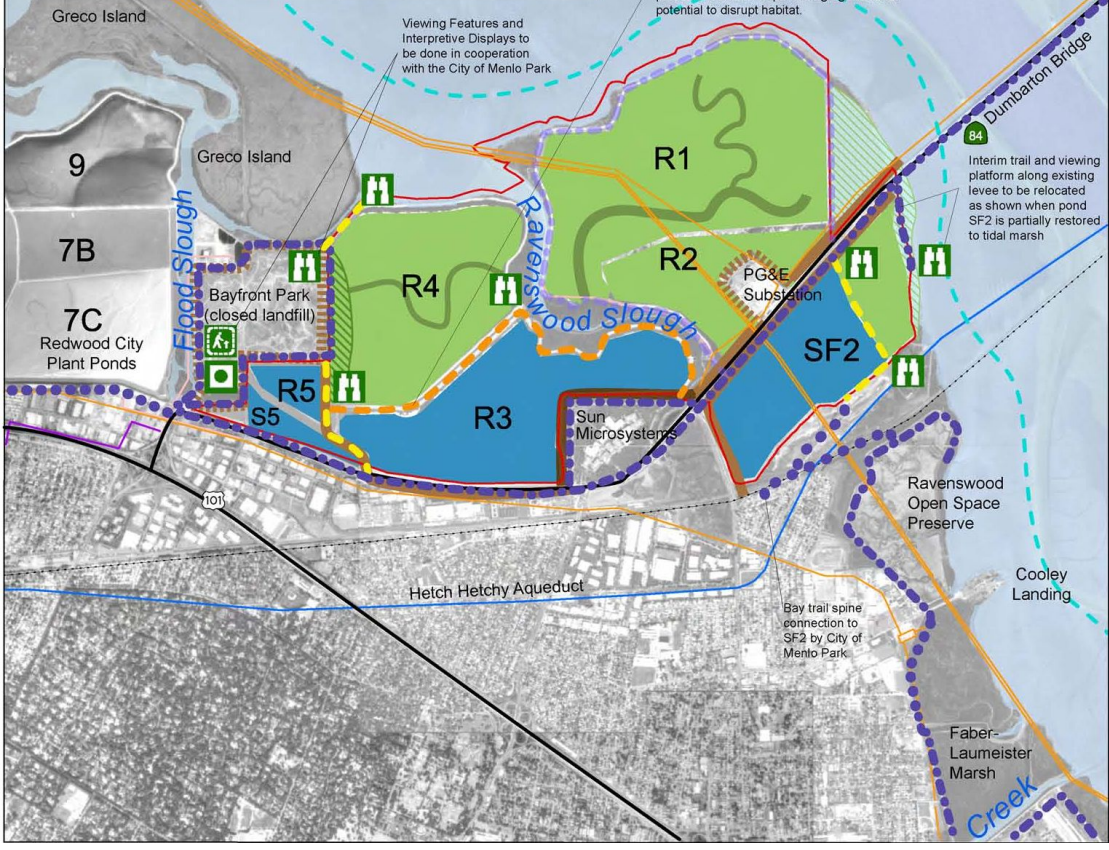
Project Area	<b>Habitat Features</b>
<b>Infrastructure Features</b>	Tidal Habitat
Highway	Upland Transition Area
Railroad	Managed Pond
Overhead Power Transmission Line	Tidal Habitat (outside project area)
Sewer Force Mains	<b>Flood Management Features</b>
Distribution Line	Proposed Flood Protection Levee
<b>Recreational Features</b>	High Ground*
Existing Trail (to remain)	Existing Levee Outside Project Area* (includes engineered flood protection levees and non-engineered levees)
Existing Trail (to be removed)	
Proposed Year-Round Trail	
Proposed Year-Round Trail (see note)	
Proposed Trail (outside project area by others)	
Proposed Water Trail	
Historic Site	
Kayak Launch	
Viewing Opportunity	
Interpretive Trail	

\*Level of flood protection not specified.

Note: Levees along creeks extend upstream of the endpoints shown. All levee and high ground locations are approximate.

100 Acres  
1,300 650 0 1,300 Feet  
600 300 0 600 Meters

Map datum and projection: NAD83, UTM Zone 10N  
 Map data: Siegel & Bachand, 2002 (sewer force mains, H.H. Aqueduct, power transmission lines, distribution lines), Cargill (pond boundaries), SFEI (baylands), EDAW (highways), NASA (South Bay Imagery), Project Boundary taken from SFEI Interactive Map  
 Map by: EDAW Inc. Map date: November, 2007





# South Bay Salt Pond Restoration Project

**Project Area**

**Infrastructure Features**

- Highway
- Railroad
- Wastewater Outfall
- PG & E Access Points
- Hetch Hetchy Aqueduct
- Overhead Power Transmission Line
- Sewer Force Main
- Distribution Line

**Habitat Features**

- Tidal Habitat
- Upland Transition Area
- Managed Pond
- Managed Pond (outside project area)
- Initially Reversibly Tidal; Ultimately Tidal

**Flood Management Features**

- Proposed Flood Protection Levee
- High Ground\*
- Existing Levee Outside Project Area\* (includes engineered flood protection levees and non-engineered levees)

\*Level of flood protection not specified.  
 Note: Levees along creeks extend upstream of the endpoints shown. All levee and high ground locations are approximate.

**Recreational Features**

- Interpretive Trail
- Historic Site
- Fishing
- Kayak Launch
- Hunting
- Viewing Opportunity
- Environmental Education Center
- Existing Trail (to remain)
- Proposed Year-Round Trail
- Proposed Seasonal Trail
- Proposed Water Trail
- Proposed Vehicular Access
- Proposed Trail (outside project area by others)

Scale: 3,000 1,500 0 3,000 Feet / 900 450 0 900 Meters

Map datum and projection: NAD83, UTM Zone 10N  
 Map data: Siegel & Bachand, 2002 (levee force main, H.H. Aqueduct, power transmission lines, distribution lines), Cargill (pond boundaries), SFEI (baylands), EDRAW (highways), NASA (South Bay Imagery)  
 Map by: EDRAW Inc. Map date: November, 2007

Figure ES-3b. Alternative B: Managed Pond Emphasis Alviso Year 50

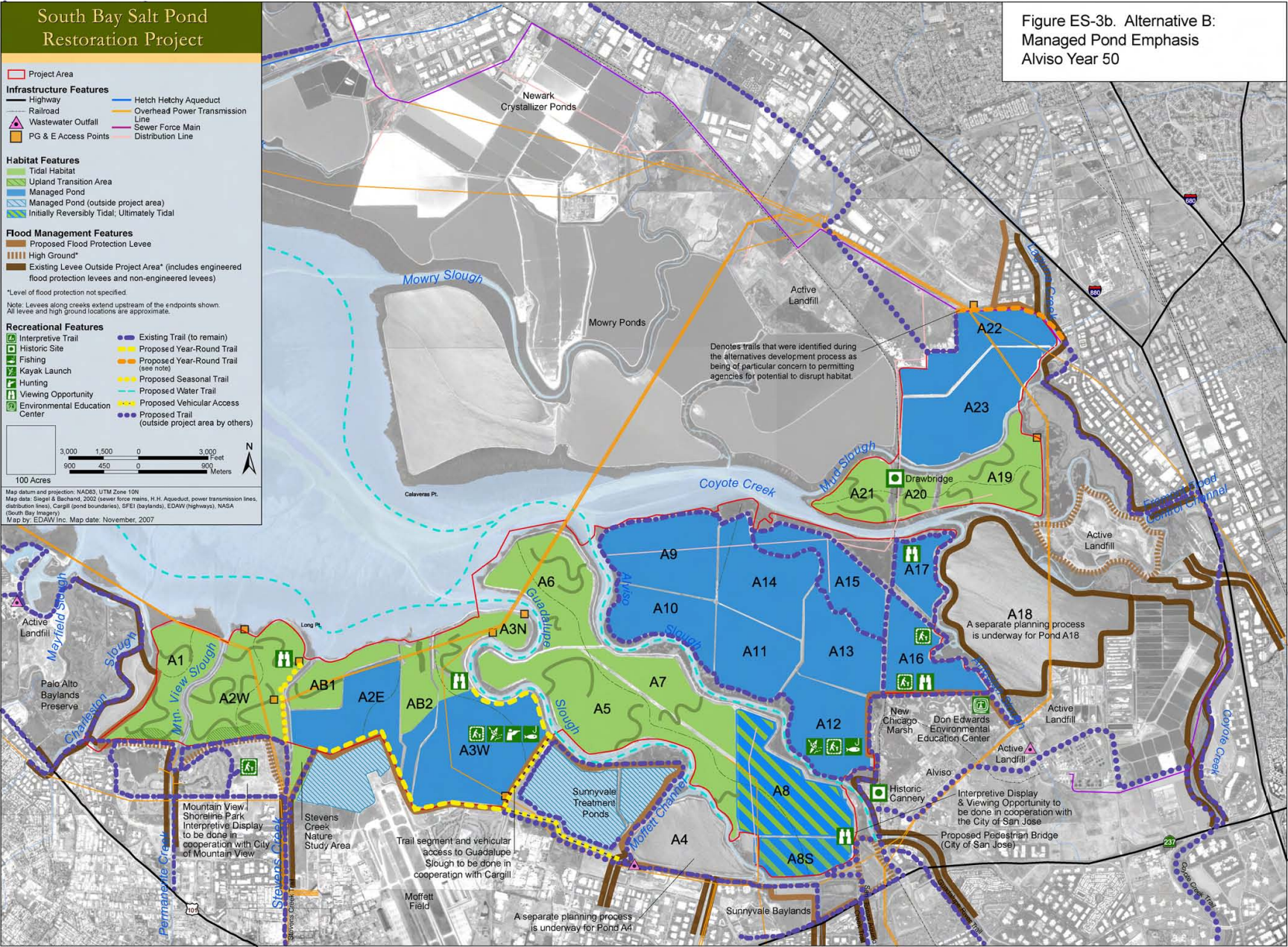
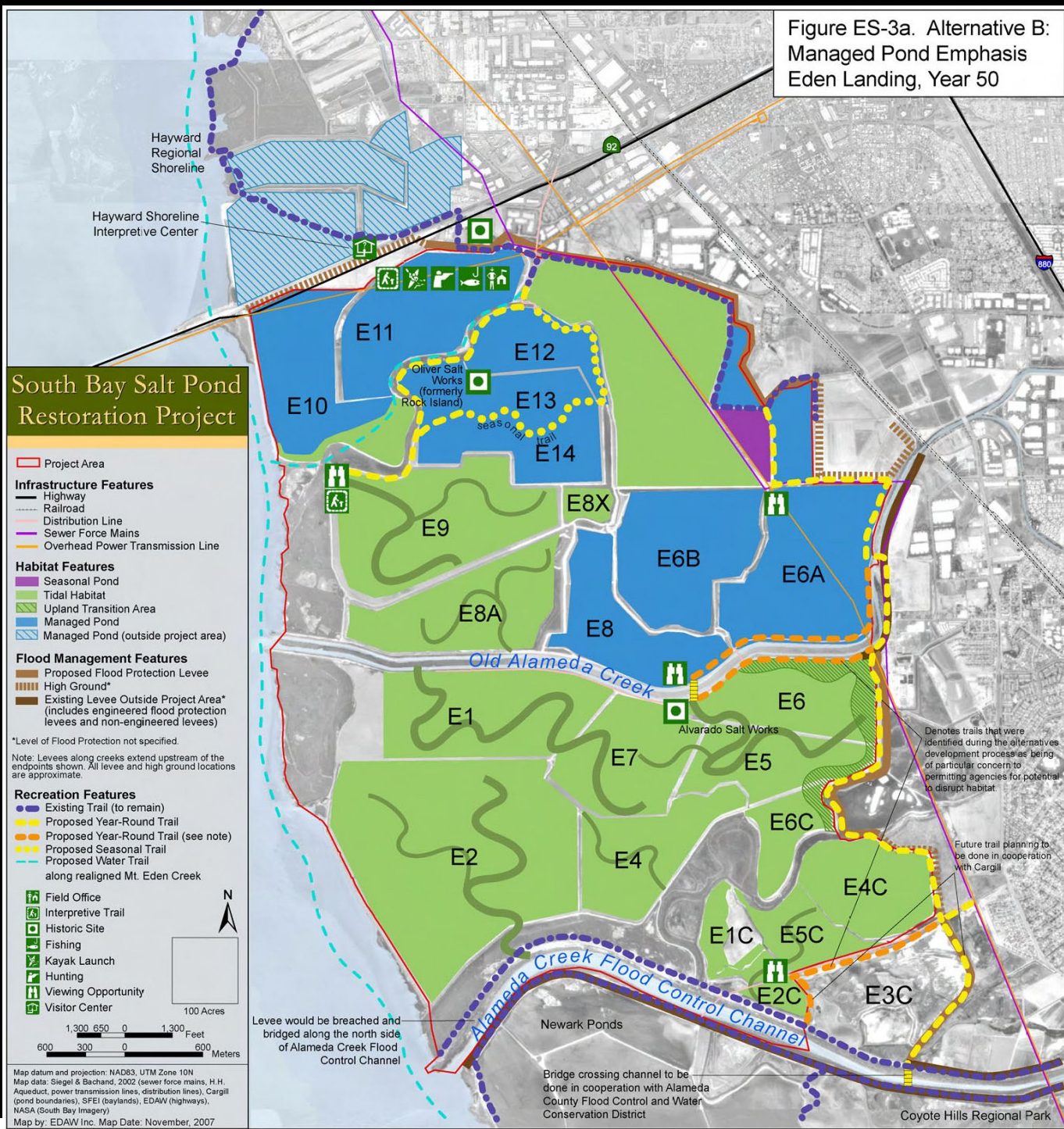


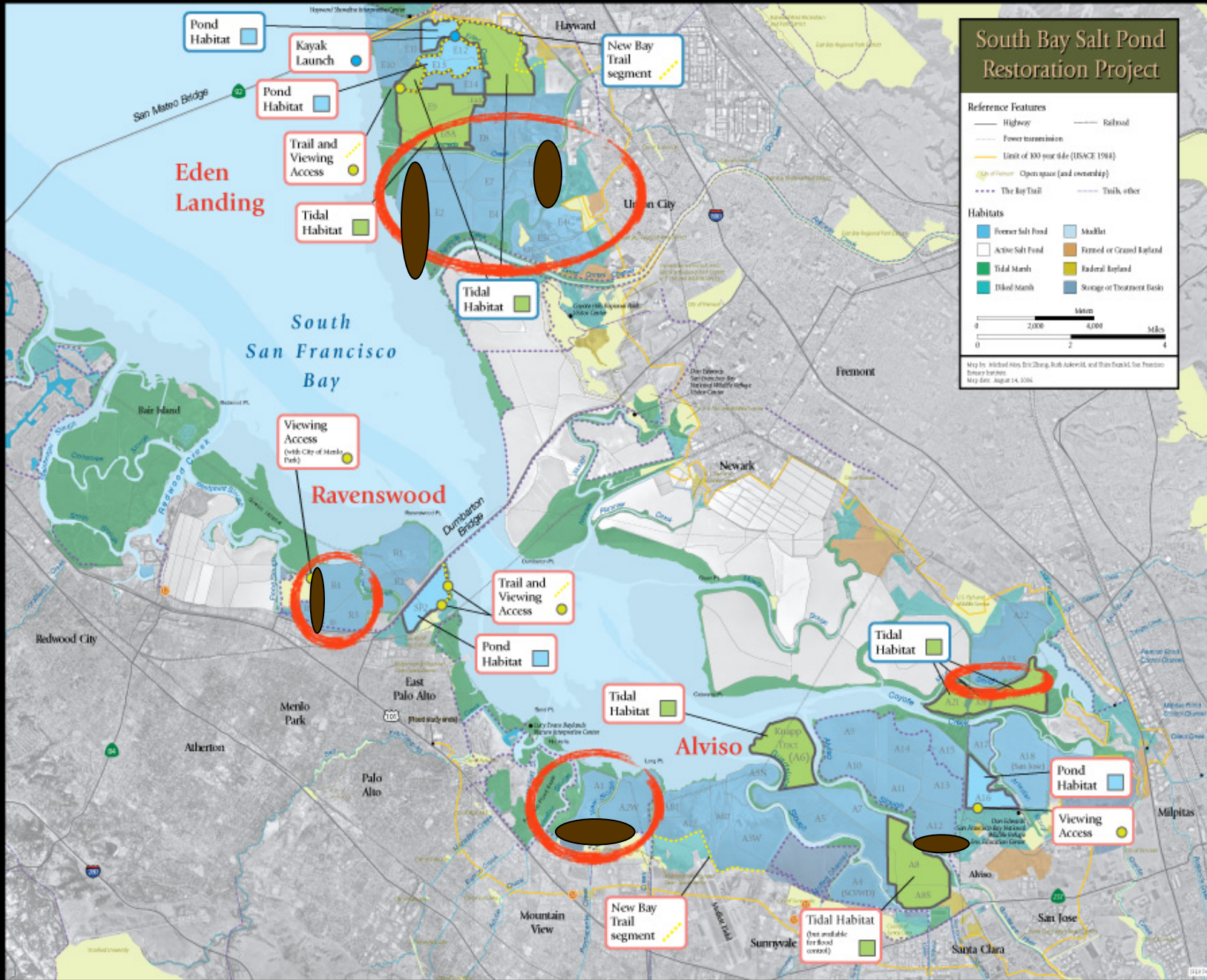


Figure ES-3a. Alternative B:  
Managed Pond Emphasis  
Eden Landing, Year 50





# Tracking our Progress: Proposed Phase Two Actions



## Initial Restoration Actions

South Bay Salt Pond Restoration Project

2006 - 08 SBSP Phase 1

# Shoreline Study Update





April 2008



September 2009

Salt Pond A21

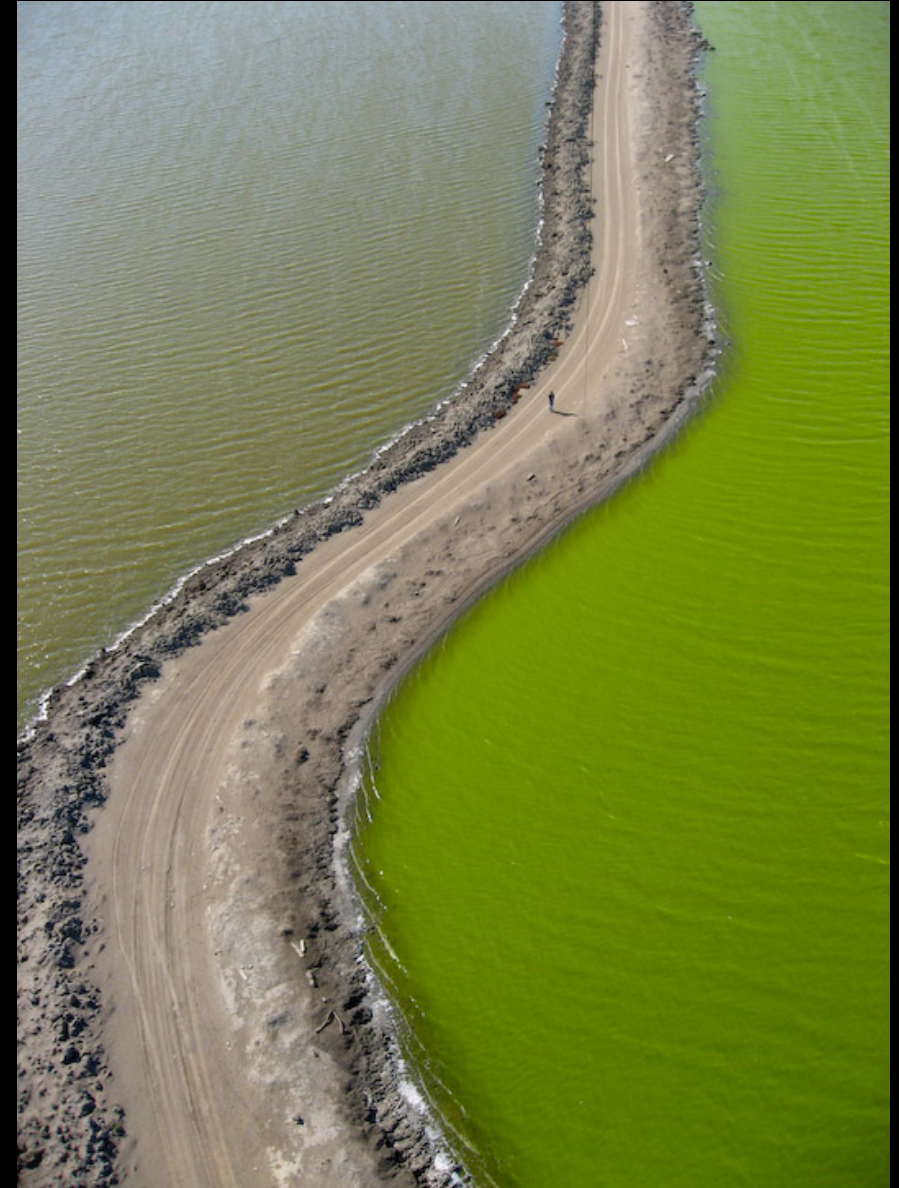




# Partnerships!



**South Bay Salt Pond  
Restoration Project**  
*Restoring the Wild Heart of the South Bay*





# South Bay Salt Pond Restoration Project

*Restoring the Wild Heart of the South Bay*

John Bourgeois  
California Coastal Conservancy  
[jbougeois@scc.ca.gov](mailto:jbougeois@scc.ca.gov)  
408/314-8859

Laura Valoppi  
USGS, Lead Scientist  
[laura\\_valoppi@usgs.gov](mailto:laura_valoppi@usgs.gov)  
916/278-3124

[www.southbayrestoration.org](http://www.southbayrestoration.org) or follow us on Facebook

facebook



Name:  
South Bay Salt  
Pond Restoration  
Project