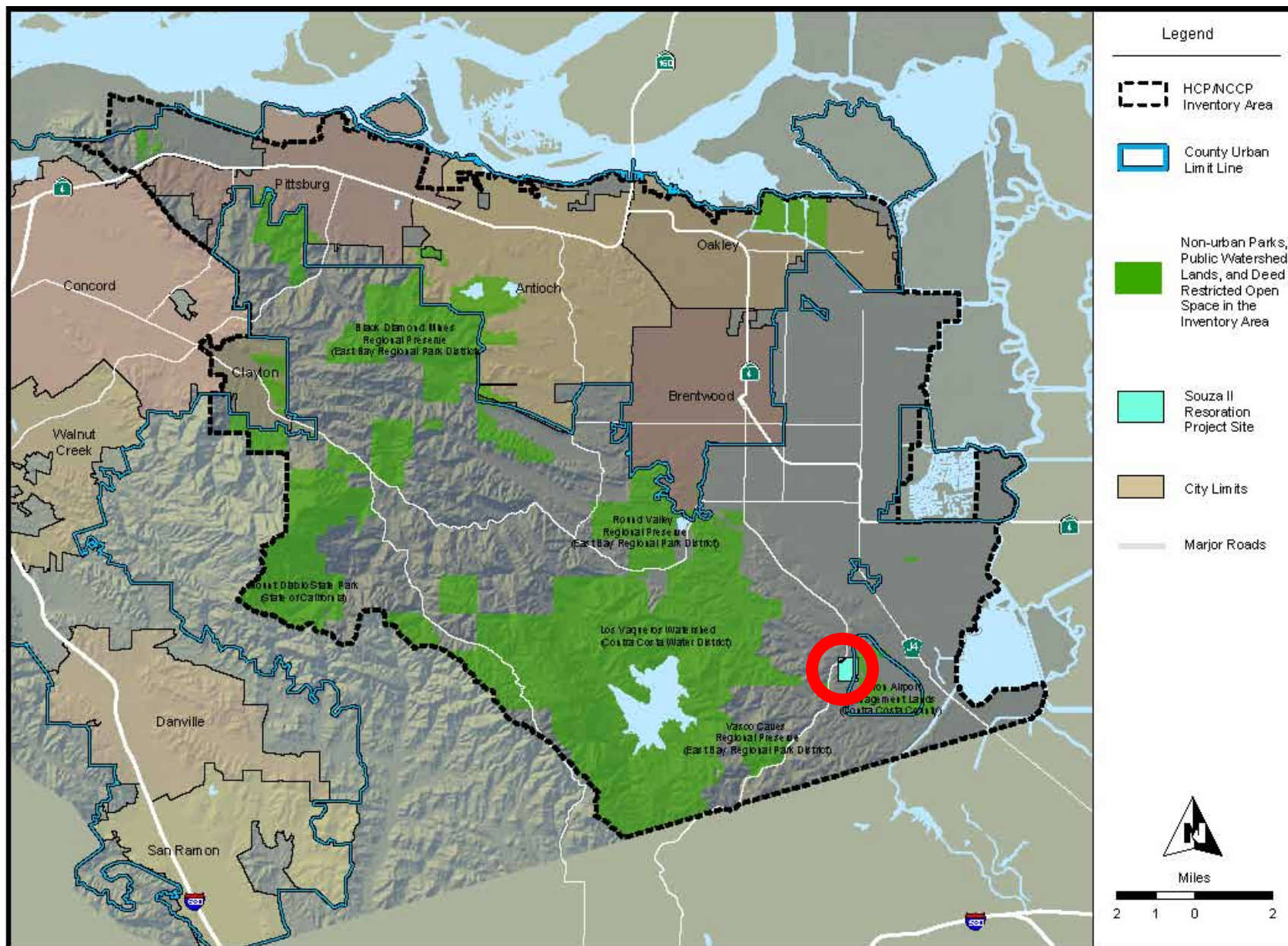


# **Wetland Restoration Feasibility Analysis, Site Selection, Design, Compliance and Initial Construction**

(Report Date Dec 2009)

Photos submitted to the California Department of Fish and Game by the East Contra Costa County  
Habitat Conservancy for Local Assistance Grant #PO882016





# Parcel





# Current Conditions

(wet season)

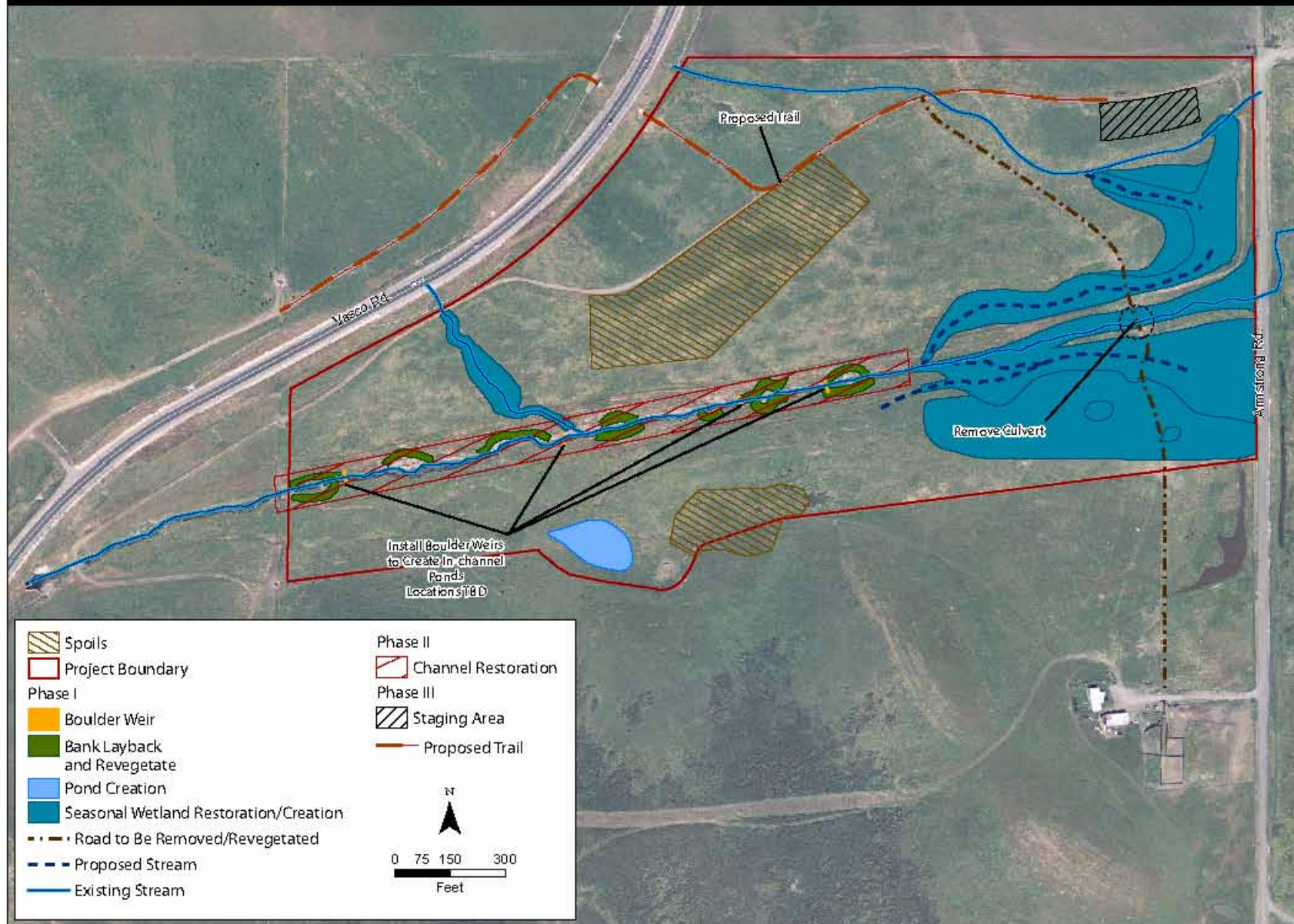






# Concept Design – Souza II

Souza II Restoration Project: Schematic of Restoration Design



# Construction Schedule

August 10 – Complete Surveys and start fencing

August 17 – Start Grading and earthwork

Mid-Sept – Seeding

Break in work until after November 2<sup>nd</sup>

December 7 – Install plant plugs

December 22– Start maintenance period



# Day 1: Construction



Looking upstream (west) from dirt road crossing



# Day 1: Construction



Looking upstream (west) at initial bank work



# Day 7: Construction



Looking upstream (west) from dirt road crossing



# Day 7: Construction





# Day 11: Construction





# Day 14: Construction

Looking upstream  
from where dirt  
road used to cross  
the creek.

Boulder weirs in  
place.



# Day 14: Construction



West end of the property



# Day 16: Construction





# Day 20: Seeding, Mulching



Looking upstream from where dirt road used to cross the creek



# Day 20: Seeding, Mulching



RAIN



10/14/09



Wetland on the south side of the creek, adjacent to Armstrong Rd

11/16/09



Wetland on the south side of the creek, adjacent to Armstrong Rd



10/14/09



Looking upstream from where the road  
used to cross the creek



11/16/09



Footprints in the mud  
near wetlands



Looking upstream from where the road  
used to cross the creek



10/14/09



Pond still holding some water (one month after large rain event)



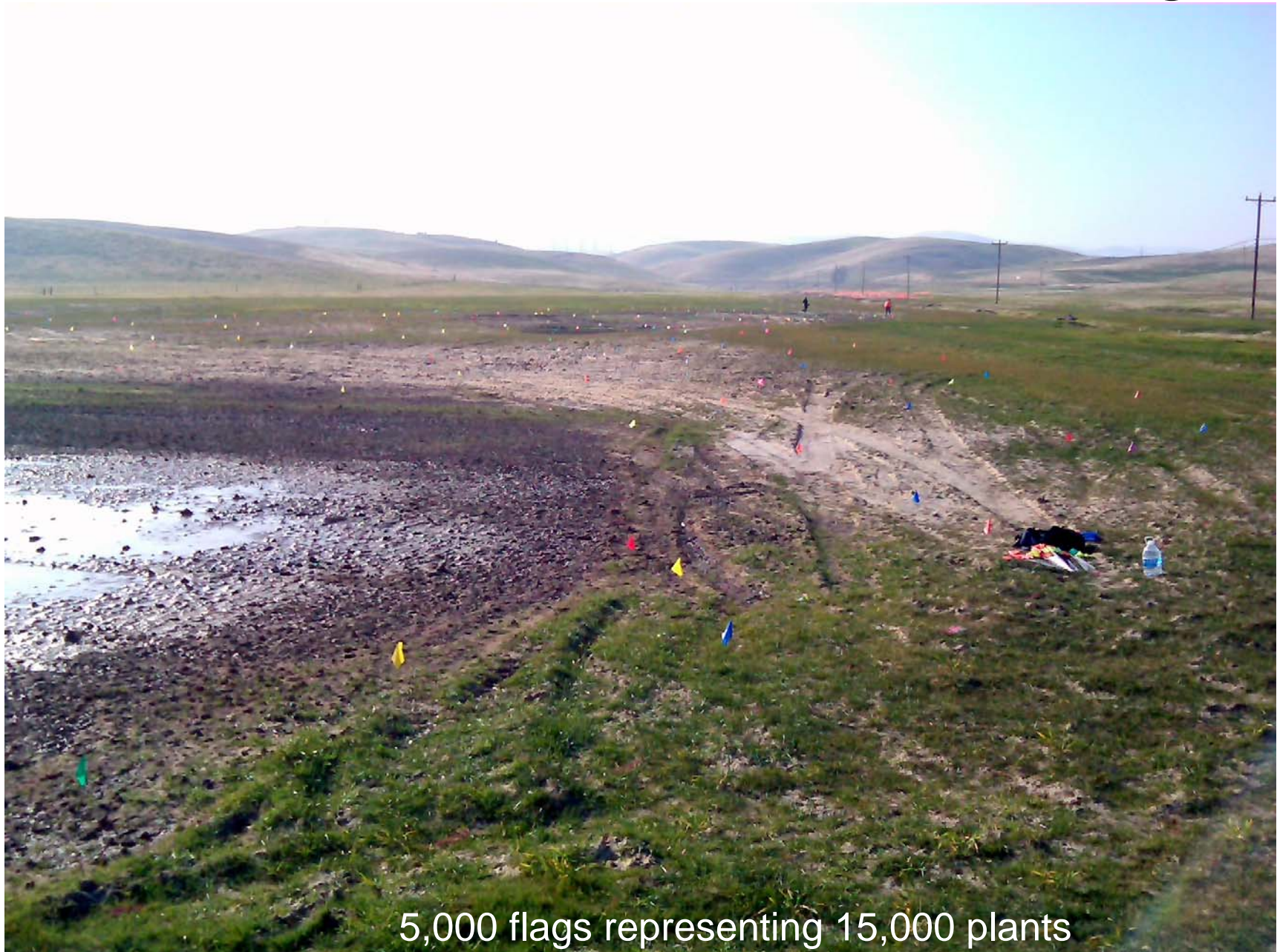
11/16/09



Pond still holding some water (one month after large rain event)



# 1<sup>st</sup> week of December : Planting





# 1<sup>st</sup> week of December: Planting



5,000 flags representing 15,000 plants





December 3  
Just a little water left in the pond





December 7  
Just a little water left in the pond





December 7  
Swale area and BMPs holding up after additional rain





December 7  
West end of the property





December 7  
Where the dirt road used to cross the creek



# December 17 Planting Inspection





December 28  
Weeding Maintenance

