North Campus Open Space

Restoring a Coastal Wetland
June 2016 Update

SOURCE: ESRI, USGS Stream Stats Website (Accessed June 2015)

UCSB NCOS Restoration Project . D140769.00

Figure 3

Devereux Slough Watershed

North Campus Open Space Project Location and watershed, 3.62 sq. miles


Highway 101
Holister Avenue
Ellwood Mesa
Ocean Meadows
Project site: North Campus Open Space
South Parcel
Devereux Slough
COPR
Goleta Slough
Open Space Areas
Project Area
Devereux_Slough
CDFG
UCSB
Other
Airport
Future_Development
Goleta
I.V. Parks
Creeks
0
0.2
0.4
0.8 Miles
N
CBER
Created by: David Harris
Projection: SpZn5-Nad83
2/19/13

Project Goals

Ecosystem Restoration

- **Enhance wetland and associated upland habitats** characteristic of the Devereux Slough ecosystem, requiring **expansion of estuarine wetlands consistent with the larger historic lagoon estuary** that is also likely to provide **habitat for threatened and endangered species,** and result in resilient ecosystem structure and function.

Provide Social Values

- **Maintain open space and develop opportunities for passive recreation, research and educational use that are compatible with the environmentally sensitive resources of the area.**

NCOS Restoration Time line and key activities

Construction work to be sequenced as follows:

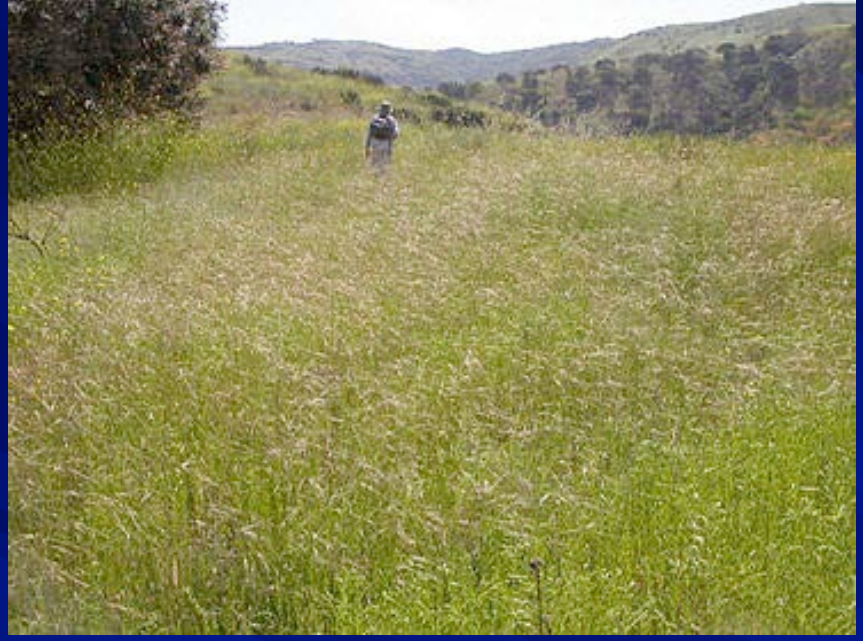
Phase 1: Start: September 2016.

Grading and trail layout to occur along northern and eastern edges followed by restoration of those areas in winter 2016-17.

Phase 2: Start: march 2017.

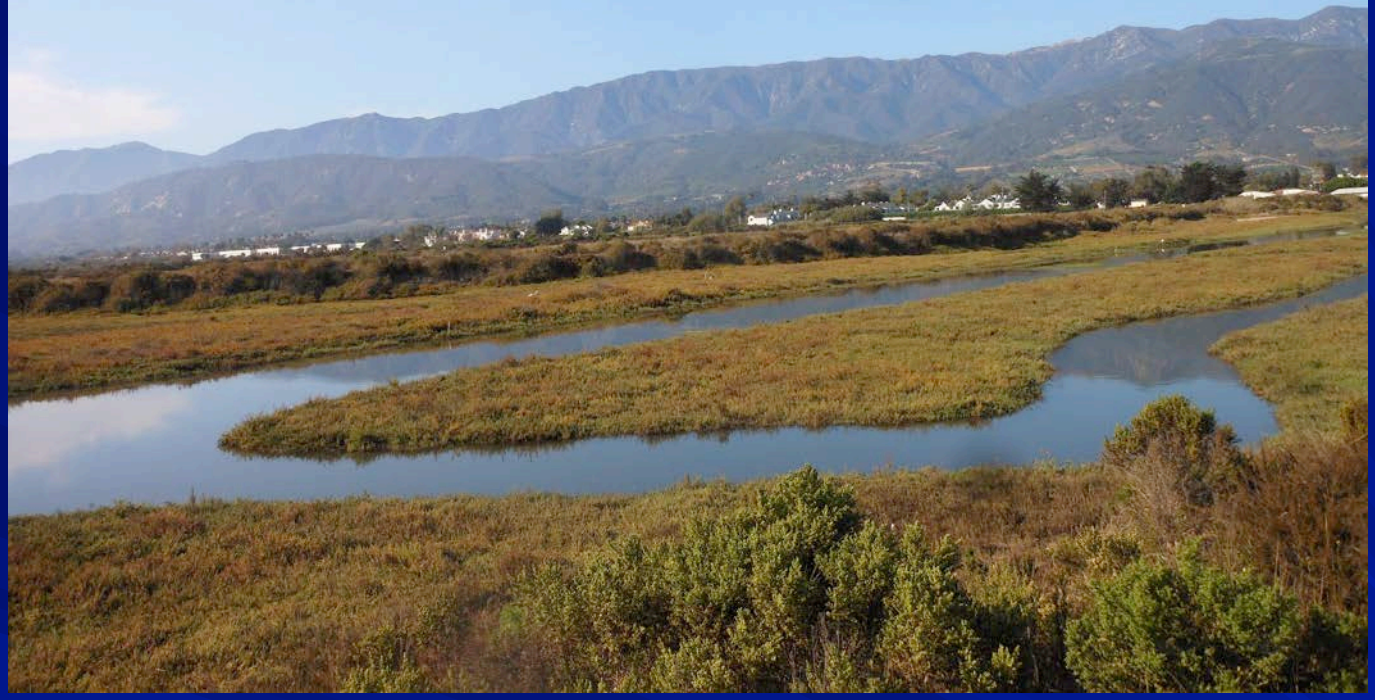
Excavation of main channels, wetland and mesa feature to occur March-December 2017, followed by restoration of all areas in ensuing two years. The goal is to open up the primary trail system by end of December 2017.

Habitat and Trail Map shows proposed wetland and upland habitats and average water levels within the proposed sub-tidal and marsh plain elevations. Ensuing images show photos of a variety of proposed habitats.

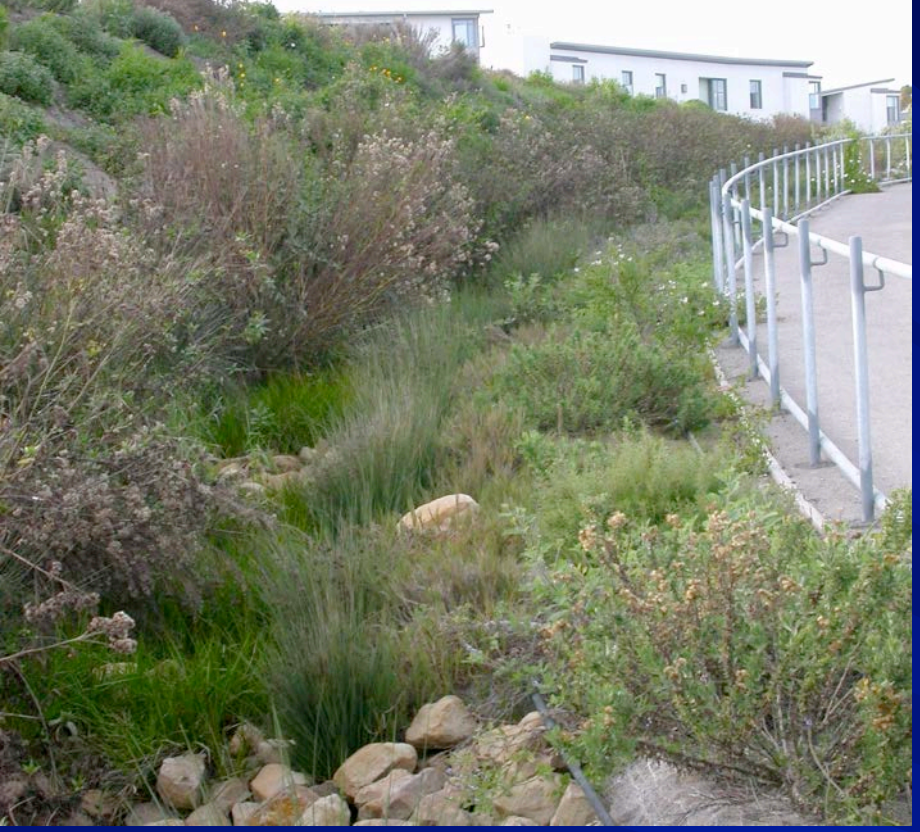


Native Perennial grassland

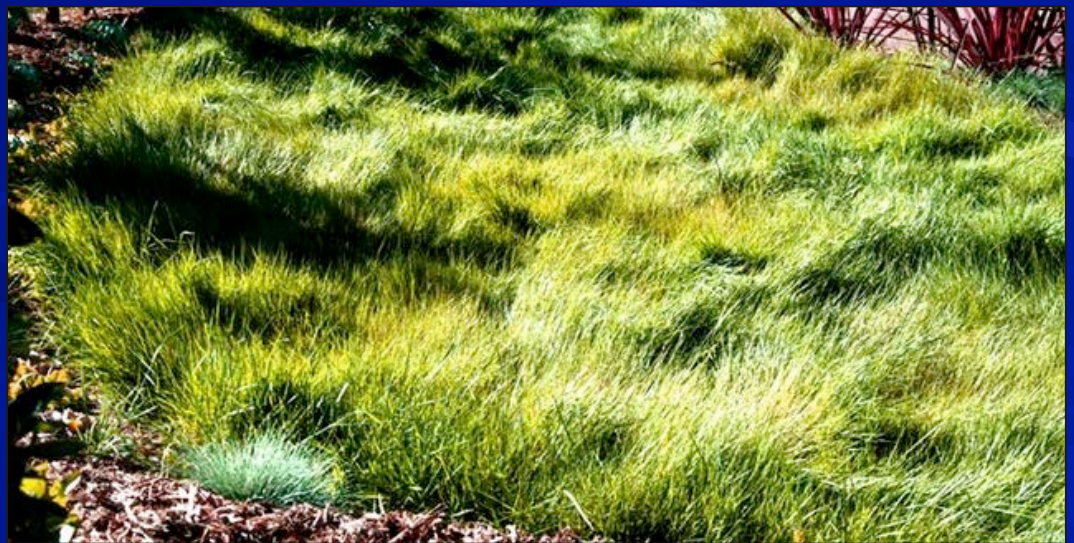
California coastal sage scrub



Salt marsh



Transitional and bioswale habitats



Public Access

UCSB elected to open the former private Ocean Meadows Golf Course to the public during the interim period between donation and construction. A community-based planning process run by TPL and UCSB occurred in 2013-14 and included 4 public meetings and a meeting and on-line vote to select preferred public access alternatives.

Ensuing four images from this process, followed by a map and images of some proposed crossing structure styles and trail types.

WORKSHOPS

June 4, 2013

UCSB FOCUS GROUP,
~20 Attendees

July 13, 2013

COMMUNITY WORKSHOP #1
~65 Attendees

August 07, 2013

COMMUNITY WORKSHOP #2
~35 Attendees

September 25, 2013

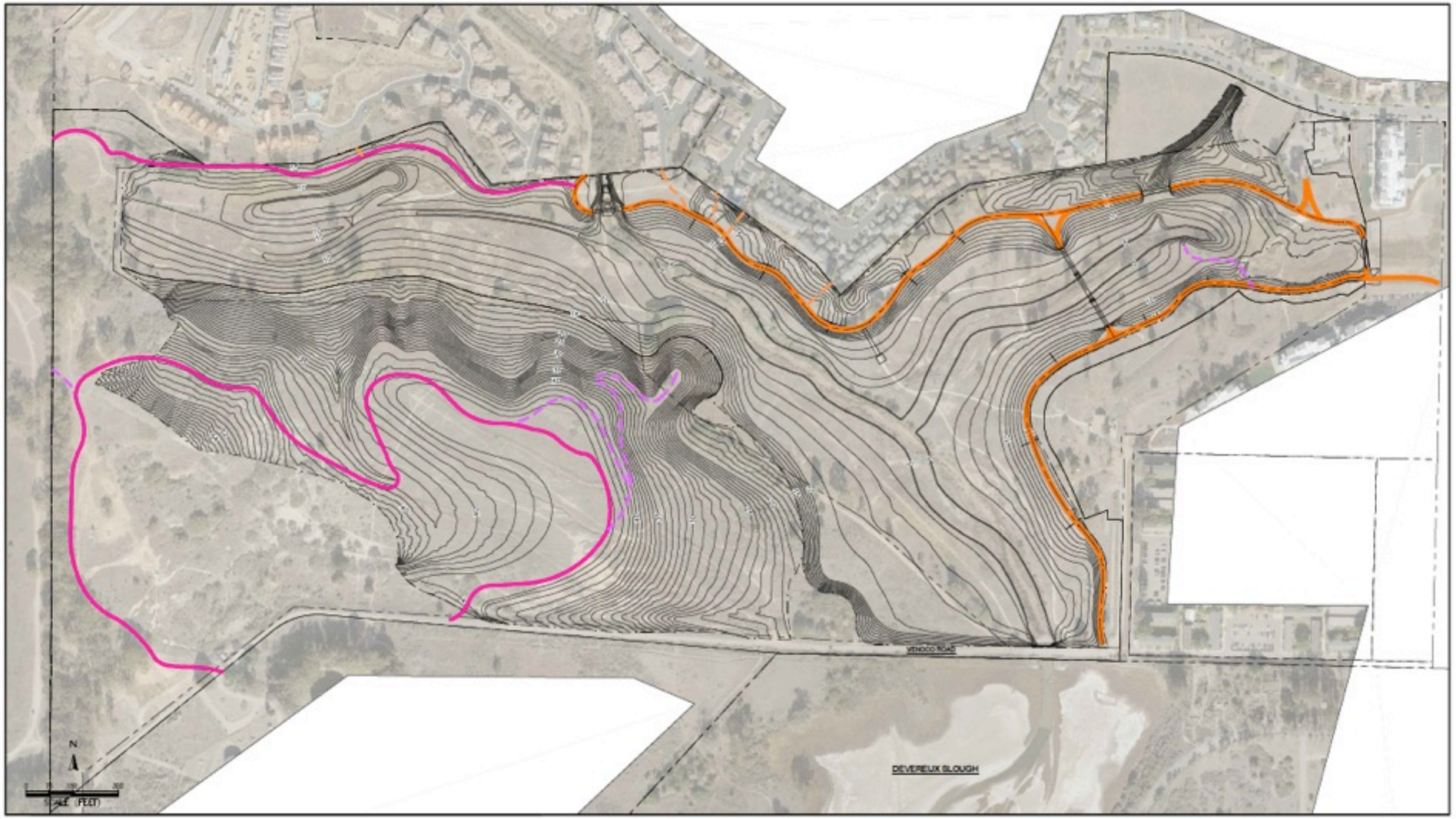
COMMUNITY WORKSHOP #3
~73 Attendees

Community-based planning process for public access features

Draw desired routes, access points, wildlife viewing points, interpretive points on map

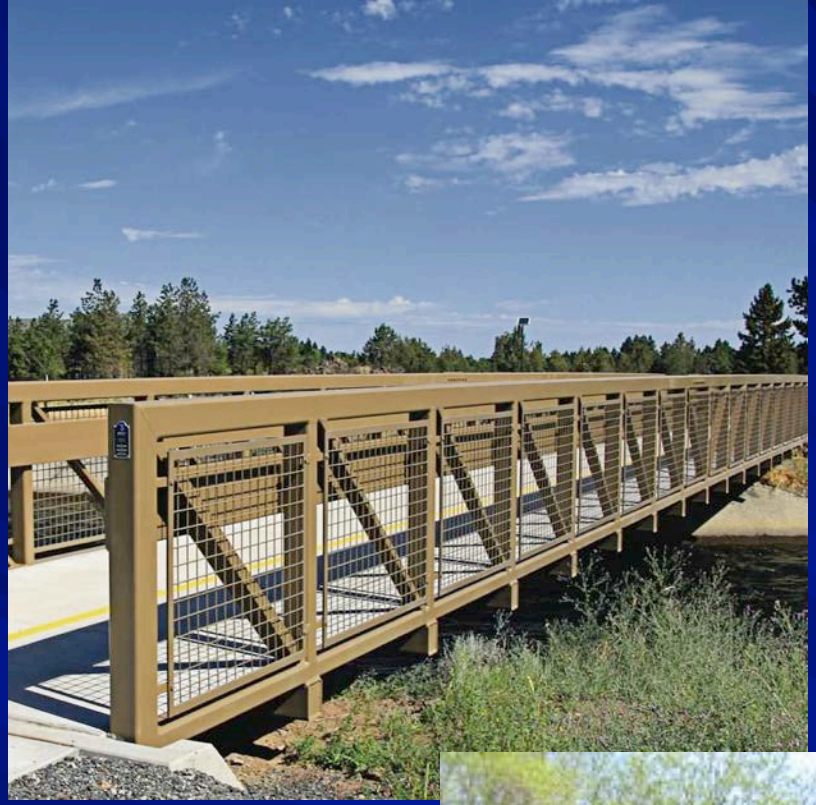
Nature Saturdays: 2014-2015

Trail Map shows primary trail in orange and secondary trails in pink and tertiary trails as dashed lines. The primary trail will be 10-12 feet wide, ADA accessible, and composed of crushed aggregate. This portion will include several bridges over the wetlands and boardwalks. The secondary trail will be composed of natural substrate and approximately 5-6 feet wide. The tertiary trail is a 3-4 ft wide foot trail.



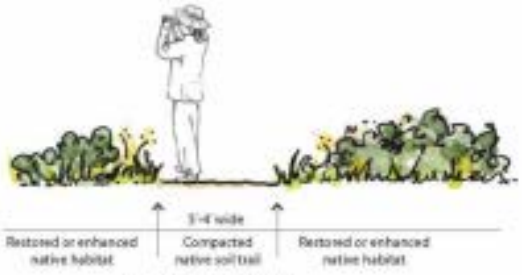
SOURCE: Aerial Photo: Stantec, 2015. Topography: Aerial Photogrammetry by Stantec, November 2015

UCSB NCOS Restoration PRoject . D140769



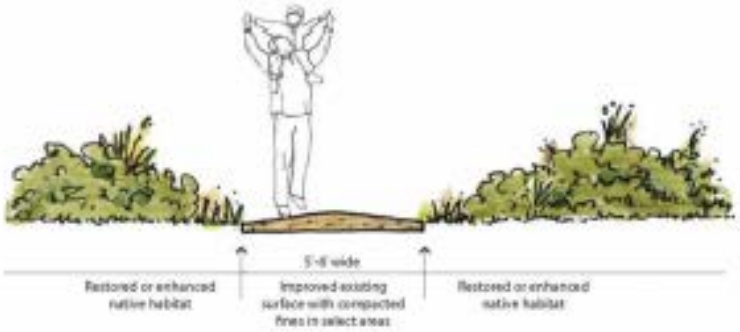
Steel pre-fabricated span bridges, such as these, will be used for the 200 foot crossing over eastern arm of restored slough and the 100 foot Phelps Creek crossing.

100 foot Boardwalk crossing North East side of site where water crosses site from Whittier Road area. Bridge will not be as extensive as this in length, but have this general feeling in terms of materials.



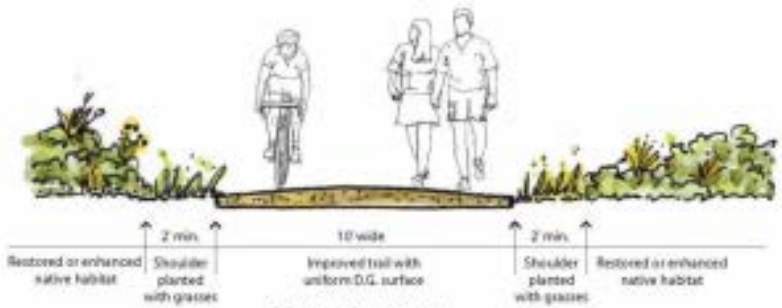
TERTIARY TRAIL

Tertiary trail: "nature experience trail"



SECONDARY TRAIL

Secondary trail: improved aggregate surface, moderate use, pedestrians, some bicycles



PRIMARY TRAIL

Primary trail: improved aggregate surface, highest use, bicycles & pedestrians, baby carriages, dogs, etc.

SOURCE: True Natura, 2015

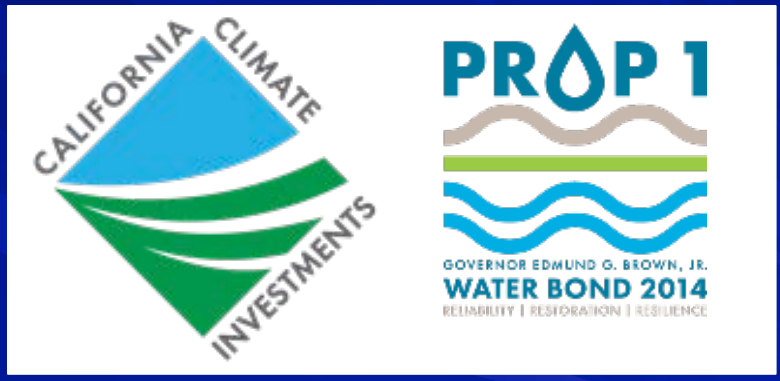
Figure 26

Trail Types

Funding

Between 2013 and 2016 funds were raised from multiple agencies with public granting programs intended for restoring and protecting open space. These funds will be used to restore historic landforms and hydrology and to restore a diversity of plant communities, wildlife habitats and public access features.

Funding Agencies



Outhwaite Fdn.

GVLT

Devereux Slough images reflect the feeling of the proposed wetland restoration.