



AMERICAN CANYON'S RESILIENT WATERSHEDS

COLLABORATIVE APPROACHES TO RESTORATION AND CLIMATE ADAPTATION





WETLANDS RESTORATION

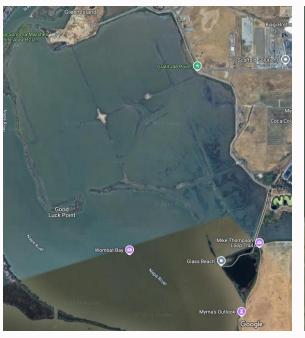
- Historical uses
- Previous and current restoration efforts
- City of American Canyon's Wetlands Restoration Plan

CLIMATE CHANGE RESILIENCY

- Protecting Critical Infrastructure
- Sea Level Rise Adaptation
- Restoration and Stewardship Efforts

PUBLIC ACCESS AND EDUCATION

- New Kayak Launch Facilities
- Expansion of public trails
- New parking and passive recreation areas
- Napa River Ecology Center







Napa River Wetlands Previous Uses & Restoration Efforts

- Ranching and Farming
- Cargill Salt Ponds
- Wastewater Treatment Ponds
- Municipal Landfill

Wetlands Restoration Plan

Provides conceptual level design for public access and ecological restoration at the American Canyon Wetlands.

- Increases public access
- Improves sea level rise resiliency
- Enhances wetlands habitat
- Provides new public recreation facilities
- Funded by Measure AA & approved in May 2024



SOURCE ESA 2023

rican Canyon Wetland Restoration Project



Proposed trail and levy improvements along the North Slough



American Canyon Restoration Project

North Slough Pond Concept Design

Figure 17



North Pond Culverts ~3.5ft Dia CMP & ~3.5ft Dia. Concrete Pipe









North Slough Culvert Restoration

Replaces the undersized culverts where North Slough crosses the Bay Trail with a larger box culvert. Benefits include:

- Enhances 41 acres of tidal marsh and bay flat (North Slough Pond) habitat by restoring full tidal exchange
- Provides fish passage for NMFS protected species like Central California Coast steelhead and North American green sturgeon southern DPS

Additional Restoration Plan Benefits

- Re-establishs 0.2 acres of tidal marsh and 0.75 acres of transitional ecotone habitat at the Corporation Yard
- Enhances 18+ acres of transitional ecotone habitat with native planting and weed management

ESA BCDC JURISDICTIONAL BOUNDARY (N) INVASIVE WEED REMOVAL AREA -NORTH (N) FLOOD CONTROL LEVEE AND -SLOUGH 0.3-MILE LOOP TRAIL AROUND ECO CENTER (SEPARATE PROJECT) **DESIGN FOR CITY** AND BRRIT REVIEW - (E) TIDAL WETLANDS -RAISE SPUR TRAIL TO ELEVATION NOT FOR CONSTRUCTION +11.1 FEET TO BE ACCESSIBLE FOR 50 YEAR SEA LEVEL RISE, SCENARIO, AND WIDEN TO (N) KAYAK DROPOFF -**INCLUDE 2 FOOT SHOULDERS** (N) GATHERING AREA, KAYAK -LAYDOWN, VEHICLE (N) ECO CENTER GATE TURNAROUND, ADA PARKING (N) NAPA RIVER (N) PEDESTRIAN GATE -(N) 6X80-FOOT GANGWAY **ECOLOGY CENTER** (SEPARATE PROJECT - (N) 17X25-FOOT AMERICAN CANYON WETLAND RESTORATION PLAN MID-POINT PLATFORM (N) 6X140-FOOT LIMIT OF GRADING, TYP. (N) FENCING ELEVATED WALKWAY - (N) LIPI AND (N) 25X25-FOOT ENHANCEMENT / SCREEN (N) RESURFACED LOW-FREEBOARD PLANTINGS (0.3 ACRES) 0.4 MILE LOOP TRAIL ON (E) LEVEE (N) NAPA RIVER ECOLOGY -CENTER OVERFLOW PARKING MEAN HIGH HIGH WATER LOT (SEPARATE PROJECT) (N) PEDESTRIAN -MLLW: 0.05 FEET (E) OVERFLOW POND -(N) PICNIC AREA OR LANDMARK SCULPTURE -0.05 ACRES (N) ECOTONE LOWEST OBSERVED SLOPE RESTORATION (N) TRAIL WATER LEVEL: -1.38 FEET (N) PEDESTRIAN GATE -DATE DESCRIPTIO (N) BUFFER PLANTING-(E) TIDAL WETLANDS -BETWEEN TRAIL AND FENCE LEGEND EXISTING BAY TRAIL PROPOSED NEW TRAIL (E) BAY PROPOSED ELEVATED 0.2 ACRES (N) UPLAND -WALKWAY AND FLOATING DOCK ENHANCEMENT PROPOSED BAY AREA WATER TRAIL (N) RIPARIAN HABITAT: (N) BIOSWALES FROM (N) -PROPOSED KAYAK DROP-OFF PARKING LOT. (N) ECO CENTER DEMONSTRATION WETLAND, AND (E) STORMWATER DRAINAGE PROPOSED PICNIC AREA H-1"-H OUTFALL TIE INTO (N) ECOTONE SLOPE PROPOSED UPLAND ENHANCEMENT CONCEPTUAL DESIGN 0.2 ACRES (N) TIDAL -MARSH RESTORATION PROPOSED ECOTONE SLOPE RESTORATION PROPOSED TIDAL MARSH CORPORATION 0.7 ACRES (N) ECOTONE -RESTORATION SLOPE RESTORATION YARD, OVERFLOW PROPOSED TIDAL MARSH POND, AND KAYAK ENHANCEMENT 0.75 ACRES (N) UPLAND -LAUNCH PROPOSED BIOSWALE **ENHANCEMENT ENLARGEMENT** PROPOSED OVERFLOW PARKING BCDC JURISDICTIONAL BOUNDARY C2.1 SHEET 16 OF 18

Proposed Corporation Yard and Wastewater Overflow Pond improvements

Proposed Kayak Launch location in American Canyon



Protecting Critical Infastructure & Improving Sea Level Rise Resiliency

Corporation Yard Relocation

Protecting Essential
Services (Pump House)
Building

Raising Levy Trails

Replacing North Slough Culvert

Managing Stormwater

Restoring Wetlands



Community Engagement

Public Access and Recreation

- Improve public safety and accessibility along the Bay Trail and North Slough
- Build a kayak launch, 0.5 miles of new public access trails, shared parking, and restrooms next to the Ecology Center

Watershed Education

- Watershed Explorers and Environmental Education programs serve elementary and middle school students
- Community and Student Conservation efforts
- Napa River Ecology Center









Restoration and Stewardship Efforts

Getting Community Involved to Protect the Wetlands

- Parks and Recreation Volunteer
 Days
- Parks Foundation Teen WILD Program
- Conservation Partners
- Watershed Protectors
- Management of Invasives and Native Replanting













THANK YOU & QUESTIONS