Wildcat Creek

Project Updates

North Richmond Municipal Advisory Committee

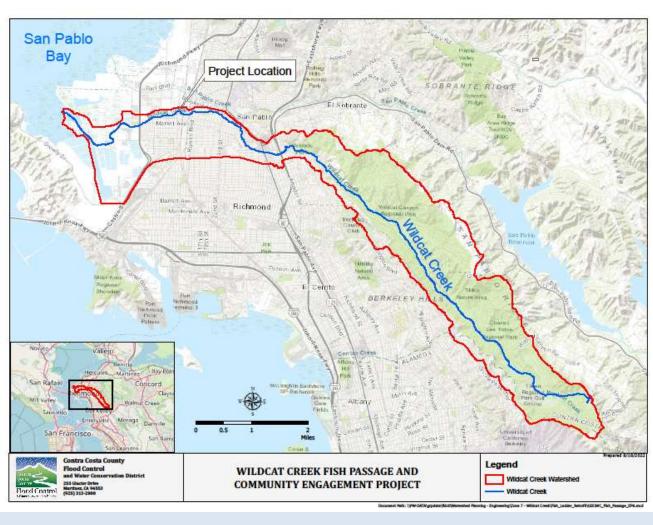




Wildcat Creek Watershed

- 11 Square Miles
- San Pablo Ridge to East Bay Hills
- 2/3 Public Land, undeveloped
- 13 Miles of Creek
- Over 90% Natural (unculverted)
- Elevation: 1900 ft (Vollmer Peak) to Sea Level
- Flows through several East Bay Communities, to San Pablo Bay
- Thriving Resident Trout in upper Watershed (transplanted in 1983)
- Potential for Steelhead/Salmon Run

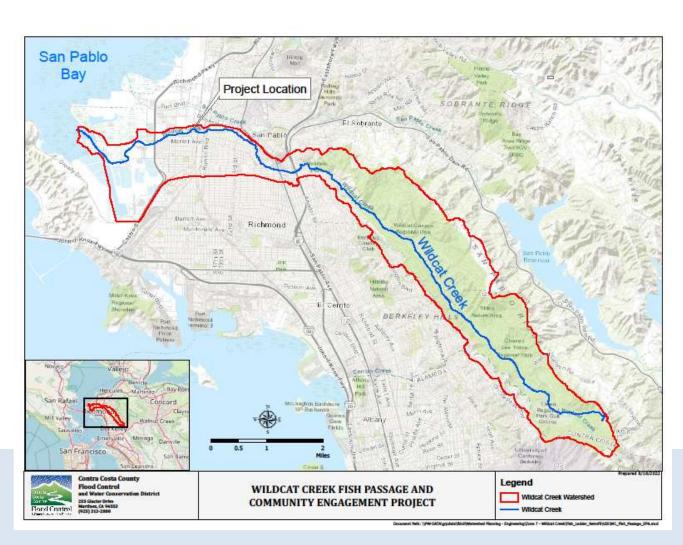




Active Projects

Managed by County Flood Control District

- 1. Fish Ladder
- 2. Sediment Basin
- 3. Creek Restoration for Fish Passage and Flood Protection
- 4. Winter Preparation



Active Partners

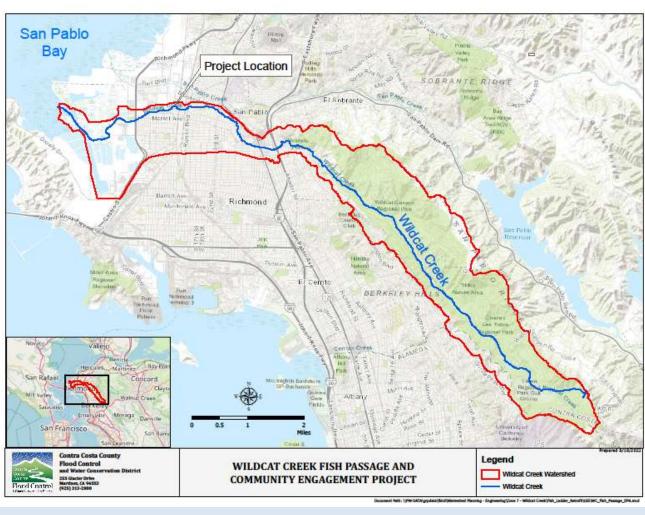


the watershed project



WILDCAT-SAN PABLO CREEKS
WATERSHED COUNCIL

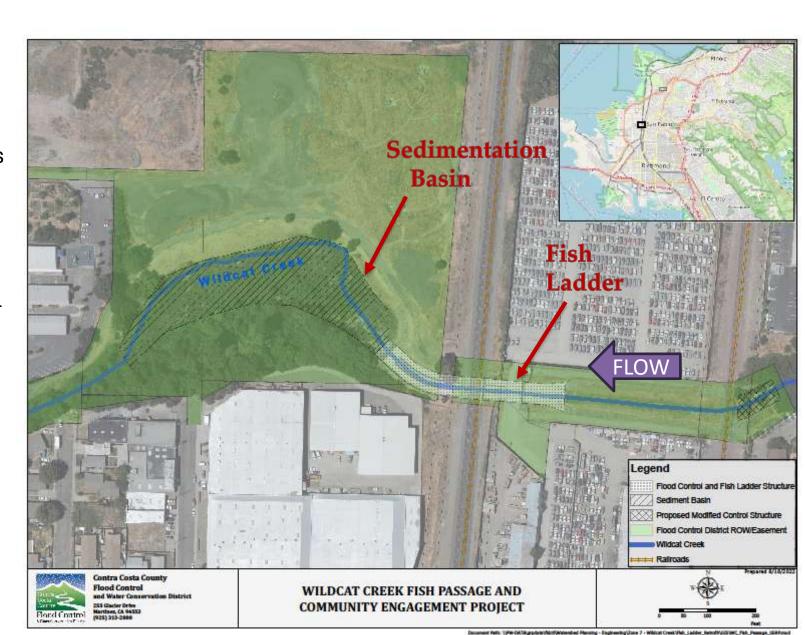
With funding from EPA and Cal DWR



Location: Fish Ladder and Sediment Basin

Built in 1990s by USACE

Both need updating to serve original purpose



1. Fish Ladder

As Constructed

- Clogs with Sediment and Urban Debris
- Steep
- Impassible for Migrating Fish



Fish Ladder Today

Photo from same location

September 2025



2. Sediment Basin

Clearing & Expansion

Purpose: Capture sediment before it travels downstream and clogs the channel

Improvements, 2026

- Expand Basin to North
- Construct Training Walls
- Construct Access Ramps
- Stabilize Low Flow Channel
- Rebuild Fish Passage



3. Creek Restoration



Creek conditions and flooding in 2025



Goal is to restore to year 2000 conditions

- Open the low-flow channel for: fish passage, flow, and sediment movement
- Thin vegetation back to original boundary
- Remove sediment that has deposited onto floodplain

Location: Lower Wildcat Creek Restoration

Built in 1989 by USACE

Restored in 2000

In need of "Reset"





Creek Restoration - Background

Original Project ~1989

- Deep need for flood protection
- Community-Led Design (1980s)
- Corps of Engineers Partnership ongoing
- 100-year flood protection
- FEMA Accreditation Flood Insurance Relief











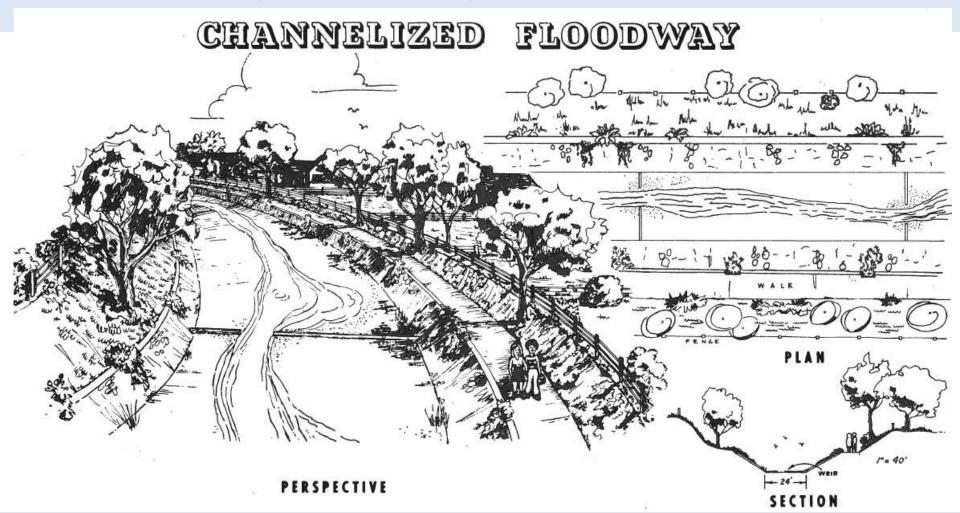








Original Design: Corps Plan





Wildcat-San Pablo Creeks Design Team





Original Design: Team Plan



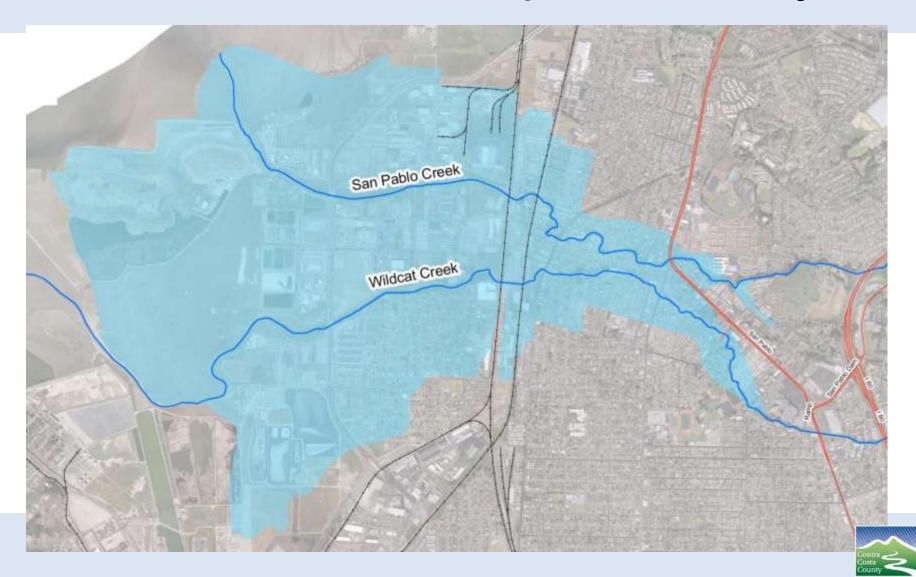


Design Team Plan





North Richmond Floodplain w/o Project



North Richmond Floodplain After Project



First "Reset" – Improving the channel after 10 years



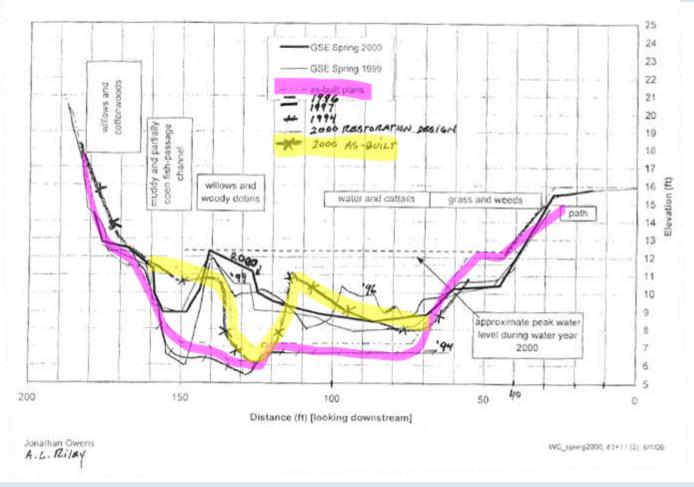
Designed & Completed in 2000



Restoration Completed in 2000



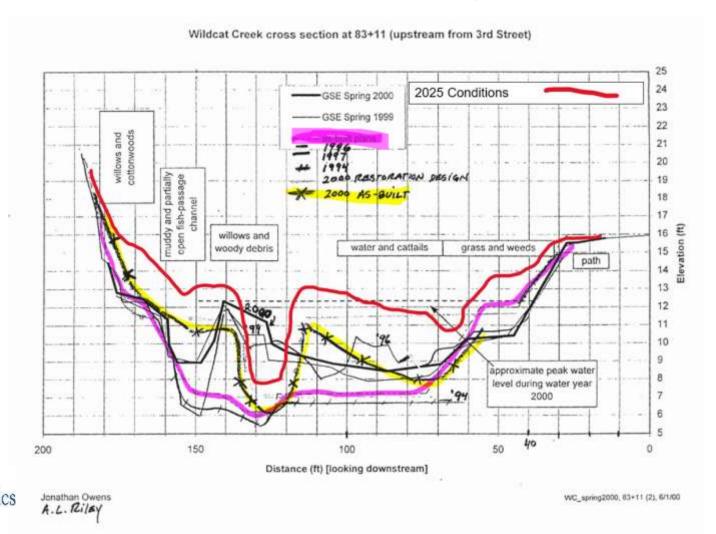




Sediment build-up on Floodplain and in Low-Flow Channel



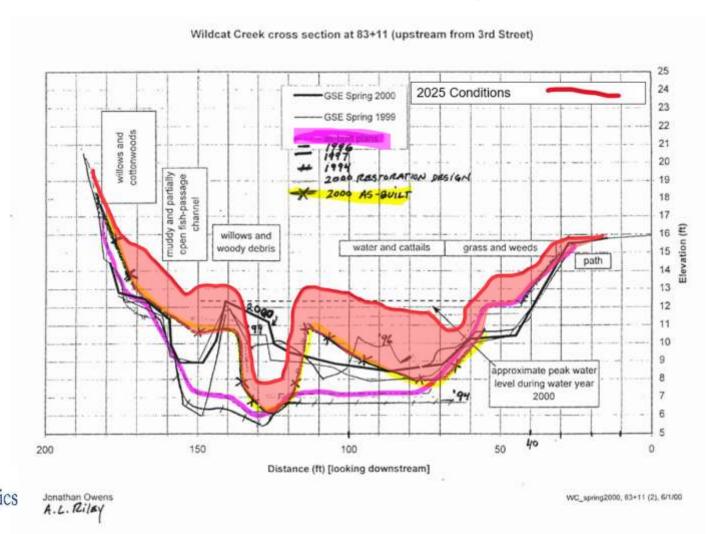
Restoration Needed Again in 2025







Restoration Needed Again in 2025



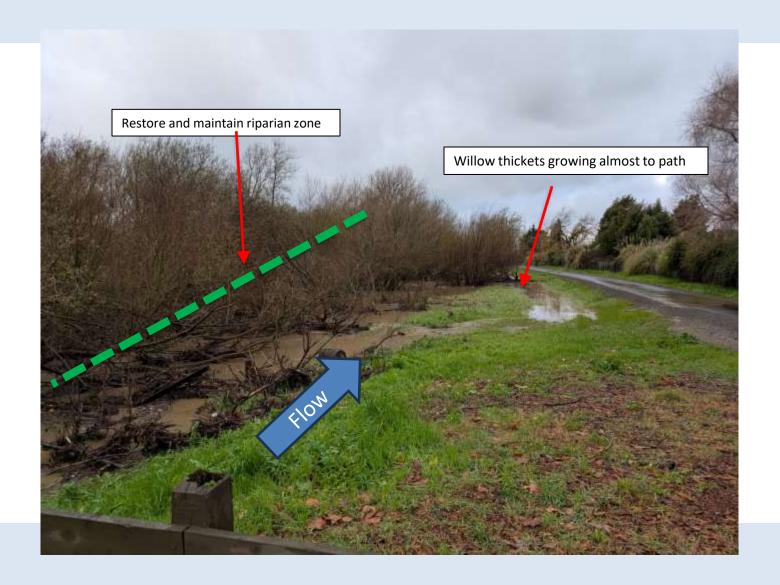


2025 Conditions



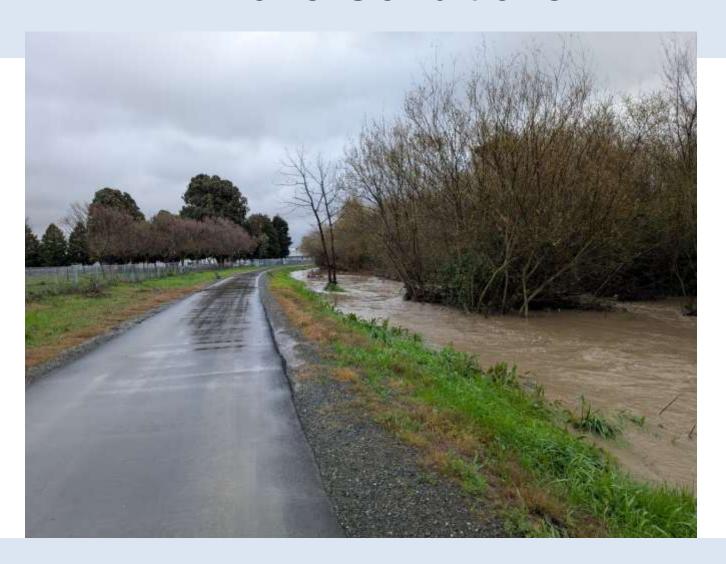


2025 Conditions





2025 Conditions



February 2025: 5-year flow Channel was designed to contain the 100-year flow



From 2001 to 2025 **Vegetation** Expanded beyond the "Green Line"









2000 to 2025 Riparian Expansion Wideat Creek Restoration Project Contra Costa County, CA



From 2010 to 2025 Sediment Accumulated – more than two feet deep in red







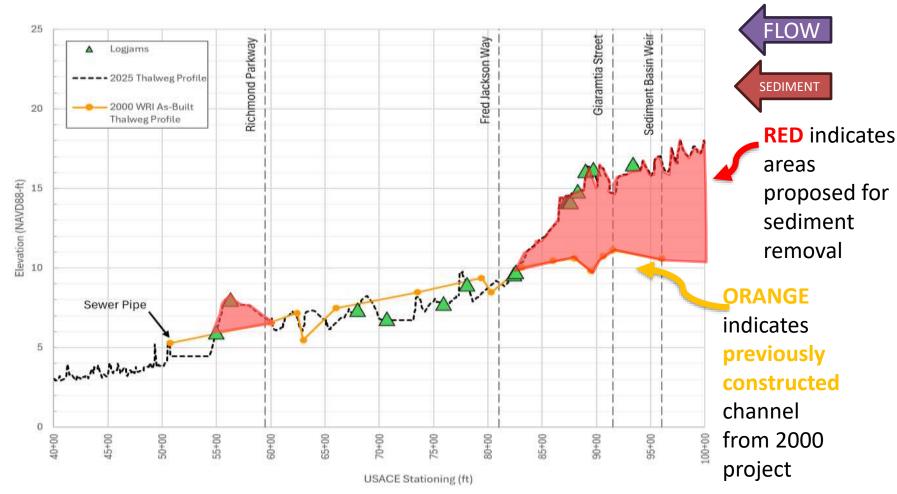
PN: 224103



2010 to 2025 LiDAR Comparison (Areas with 2+ Feet of Deposition)
Wildcat Creek Restoration Project
Contra Costa County, CA



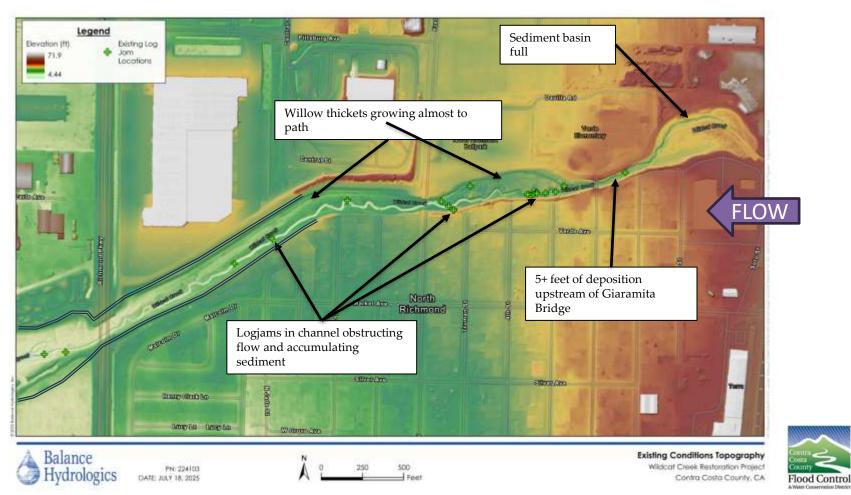
Sediment Accumulation in Low-Flow Channel







2025 Conditions Overview



Sediment and Vegetation and debris jams since 2000 project

4. Winter Preparation

Minor Maintenance Before Winter 2025-26

- Vegetation trimming
- Break up log and debris jams in low-flow channel
- Check outfalls for any obstructions



5. Community Engagement

Site Walks and Field Survey Trainings with Our Partners

Urban Tilth ∼ The Watershed Project ∼ Urban Creeks Council

- Wildcat San Pablo Creeks Watershed Council ~
- Biological and Habitat Surveys
- Hydraulic Survey
- Presentations, Q&A sessions on technical modeling
- Future opportunities to be engaged in monitoring and maintenance

