

# Challenges in managing urban flood protection channels

May 18, 2017

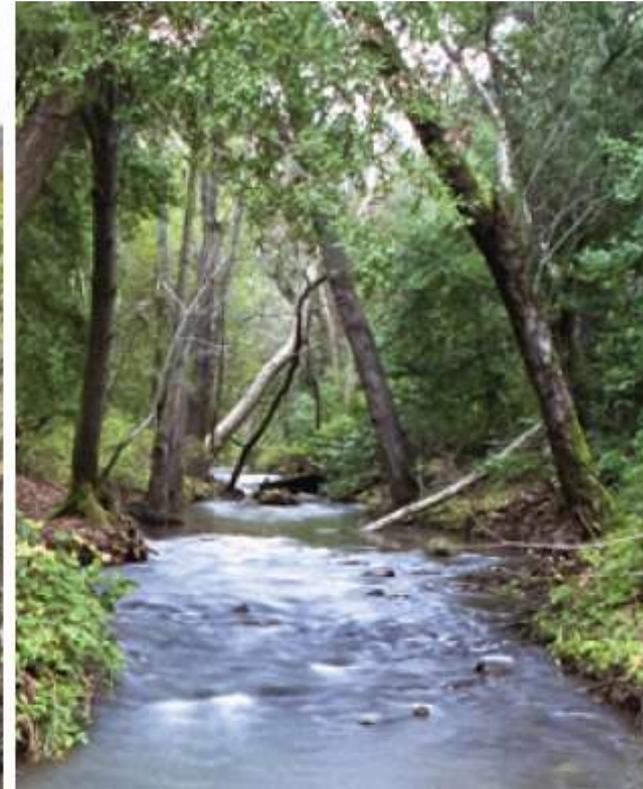
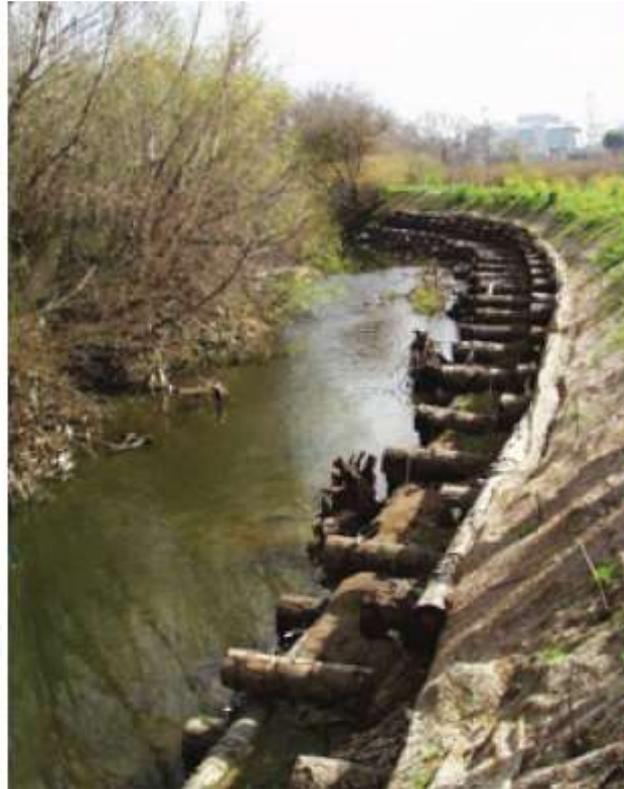


Santa Clara Valley  
Water District



# What does SCVWD do?

**Mission:** Provide Silicon Valley safe, clean water for a healthy life, environment, and economy.



# Who does SCVWD serve?

**2 million** people

**15** cities

**4,700** well owners

**13** water retailers

**5** watersheds





# Stream Maintenance Program

## Goals

- Maintain flow conveyance capacity
- Maintain structural and functional integrity of District facilities

# Stream Maintenance Program

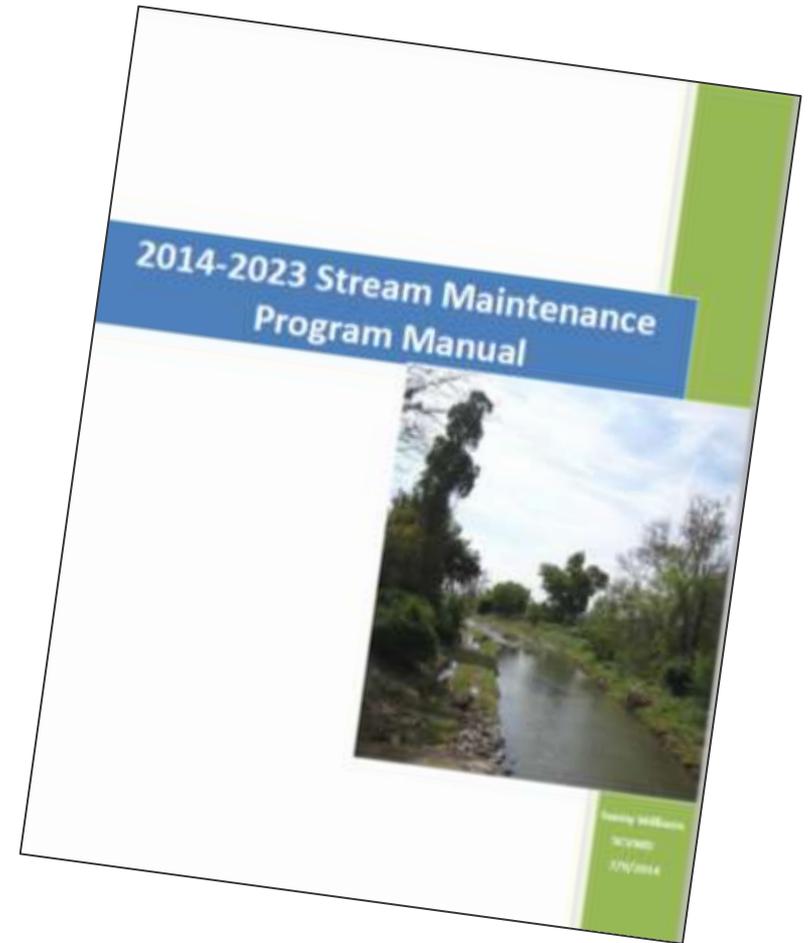
## Objectives

- Remove sediment and manage vegetation for flow conveyance and safety
- Maintain habitat functions of creeks

# Stream Maintenance Program

## Overview

- Adopted in 2001
- Updated in 2013
- Permits issued by 7 federal and state regulatory agencies



### 5 categories

- Sediment removal
- Vegetation management
- Bank stabilization
- Management of animal conflicts
- Minor maintenance

# Challenges

- Land rights
- Improved vs. unimproved channels
- Homelessness
- Permit requirements/mitigation

- Fee
- Easement
- Other property owners' responsibility

# Improved vs. unimproved channels

## Challenges

- Improved channels:
  - Level of service
  - Maintenance guideline
- Unimproved channels:
  - None of the above

# Homelessness

## Challenges

- Trash and debris cleanups
- Coordination with others
- Homeless Encampment Board  
Ad Hoc Committee



# Permit requirements/mitigation

## Challenges

# Going forward

# Questions?

