

# Implementing Sediment and Pathogen TMDLs in Southern Sonoma County

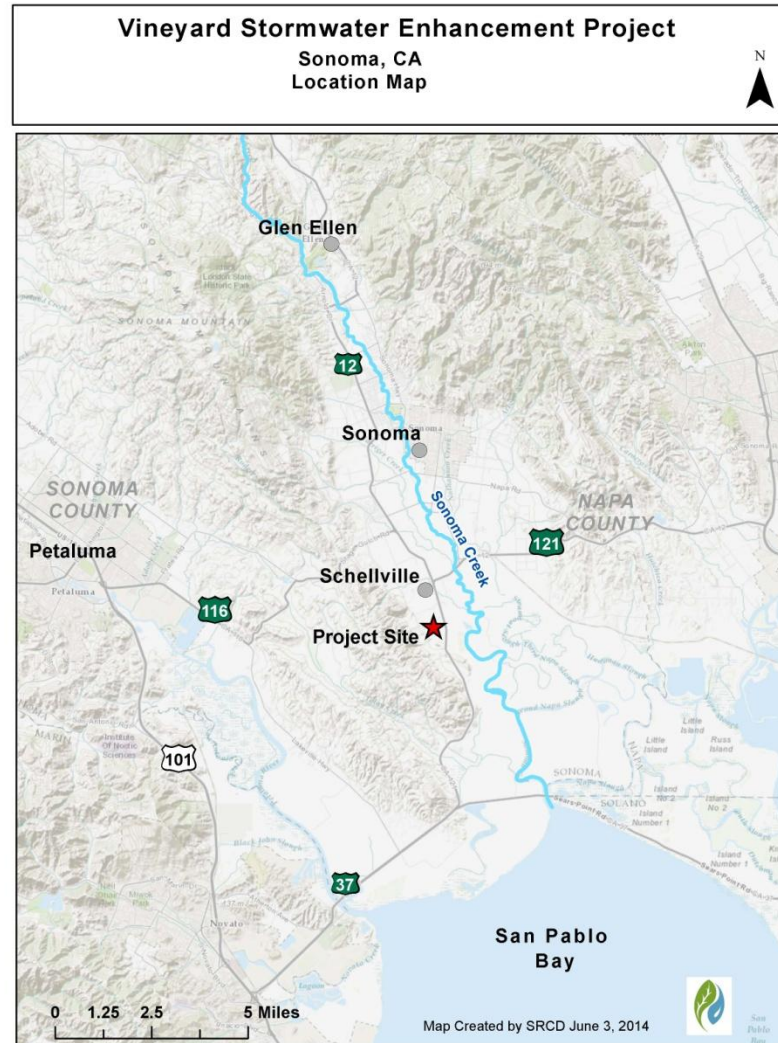
Kari Wester  
Project Manager  
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# Scope Overview

- 1. Implementation Project:** Implement on-the-ground stormwater and sediment reduction demonstration project.
- 2. Conditional Grazing Waiver:** Assist landowners/managers with the Conditional Grazing Waiver requirements and plans.
- 3. Conditional Vineyard Waiver:** Assist landowners/managers with the draft Conditional Vineyard Waiver
- 4. Regional Capacity Building:** Conduct public outreach and work collaboratively with partners, public officials and private landowners to promote implementation of TMDLs and stormwater management practices.

# 1. Implementation Project



# Implementation Project

- Seasonal creek straightened in last 15-20 years with development of vineyard
- Progressively deepened, constrained to narrow channel
- Created 400-foot gully



Pre-Implementation Photos.

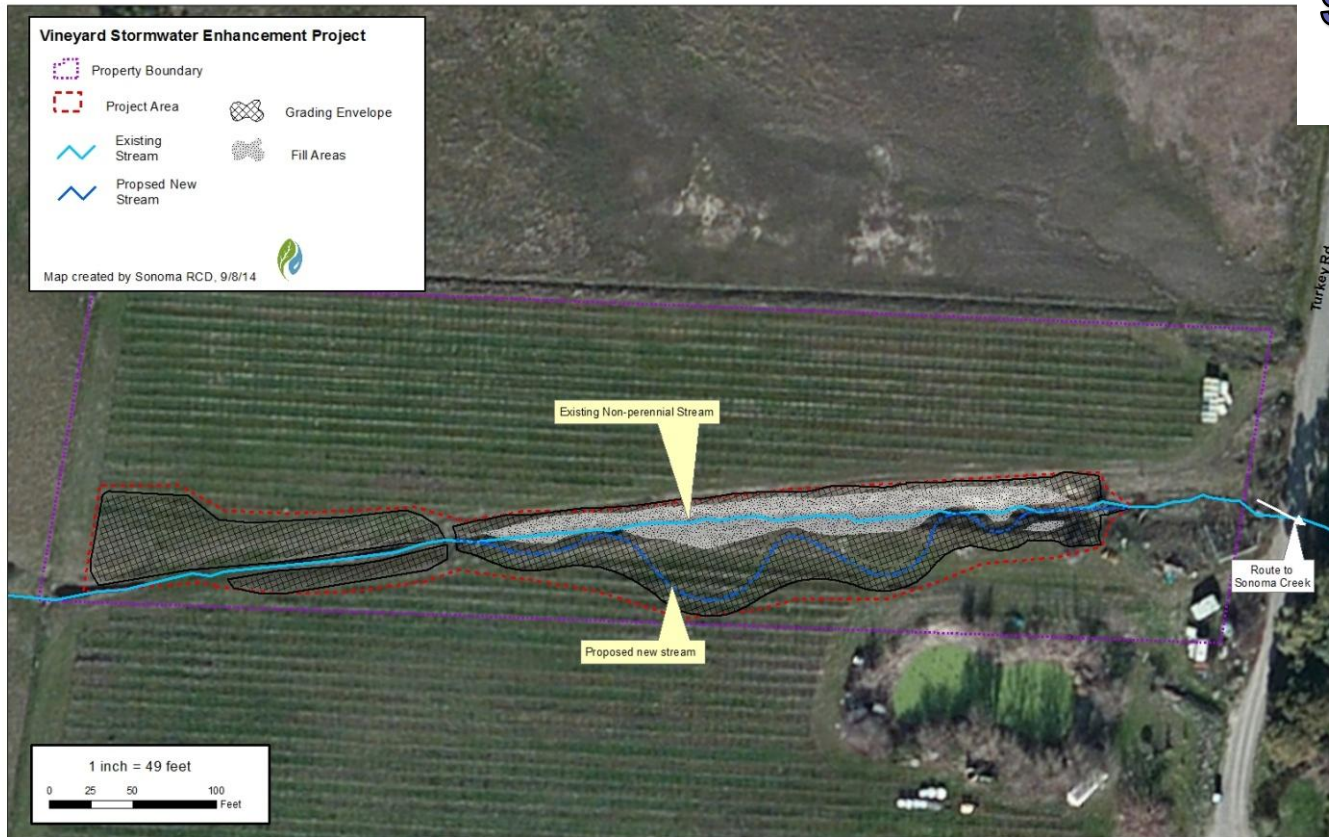


# Implementation Project

Project designed to:

- Realign creek, re-establishing sinuosity
- Restore natural gradient, restore floodplain function

**Slow it,  
Spread it,  
Sink it!**



# Implementation Project

- July 2014- Earthwork completed
- Fall/Winter 2014- Planting plan implementation
- Spring 2015- Demonstration Site Tour



Post Implementation Photos.

# QAPP Monitoring

Questions to be answered:

- Erosion monitoring: Has the rate of erosion caused by the gullyng decreased post project?
  - Cross section surveys will be used to determine net erosion rate for the restored channel
  
- Floodplain monitoring: Has the function of the restored floodplain been improved?
  - For example: Observations of high water marks during or soon after peak flows events
  
- Photo monitoring: Was the project implemented as planned?
  
- Monitoring Fall 2014 – Spring 2015

# Conditional Vineyard Waiver Update

- Conditional Waiver was not adopted by the Regional Water Board. They are instead pursuing general Waste Discharge Requirements (WDRs).
- The Sonoma and Napa RCDs have continued to work closely with the Regional Water Board to assure that LandSmart Farm Water Quality Plan materials will meet requirements of the WDRs when adopted. Hosted, in collaboration with Napa RCD, a series of two classroom workshops and 1 field day to provide information on LandSmart Planning, water quality practices, and WDR status.
- Mendocino RCD continues to be involved with LandSmart, and the Gold Ridge RCD has signed on as a partner as well.



[www.landsmart.org](http://www.landsmart.org)





# Also to note.....

**Regional Capacity Building:** “Slow it. Spread it. Sink it!” guide will be republished in a slightly shorter version in November 2014.



The RCD has been able to use this funding as leverage to procure two 319(h) LandSmart planning grants totaling \$275,000.