

Implementing Sediment and Pathogen TMDLs in the North Bay: Napa River Watershed

Leigh Sharp, Executive Director
Napa County Resource Conservation District
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A Project of the Napa County Resource Conservation District
in collaboration with North Bay Watershed Association and
San Francisco Estuary Partnership with funding from the US
EPA San Francisco Bay Water Quality Improvement Fund



Major Project Tasks

Implement Sediment TMDL in Napa River Watershed

- Conduct outreach
- Complete rural road assessments
- Implement road improvements in Heath Canyon watershed

Implement Vineyard Waiver in Napa River Watershed

- Conduct outreach and provide technical assistance to agricultural and rural land managers
- Implement identified projects to manage runoff & erosion

Local & Regional Capacity Building

Conduct Watershed Monitoring

- Sediment and fisheries related monitoring

Implement Sediment TMDL

Road Improvements

- *storm proofed 5.5 miles of dirt road*
 - *rolling dips, critical dips, road shaping*
- *47 critical erosion sites treated*
 - *35 crossings, 9 relief culverts, 3 surface discharge points*
- *6,230 yrd³ prevented from being delivered to stream*

Stream Improvements

- *removed fish barrier (633 linear ft. of habitat)*
- *removed 5 yrd³ of fine sediment*

Implement Sediment TMDL

Technical Assistance

- *33 miles of road assessed*
 - *landowners implementing road shaping*
 - *RCD working with landowner to complete environmental review and obtain permits for stream crossing work*
- *Additional contracts leveraged to continue work*

Technical Workshops

- *2 Heavy Equipment Operator Trainings*
- *1 Interagency rural road workshop*
- *2 Formal presentations to Napa Engineers*
- *2 Formal presentations to Vineyard Groups*

Implement Vineyard Waiver

Outreach, Farm Plans & Implementation

- *Vineyard Waiver Withdrawn*
- *General Order Being Drafted*
- *RCDs working together and moving forward with Vineyard Conservation Planning Program*



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Napa County RCD, Sonoma RCD, Gold Ridge RCD, and Mendocino County RCD

PURPOSE: Assist land managers in accomplishing their natural resource goals and meeting or exceeding environmental regulations

- *MOU in place*
- *Vineyard Farm Plan Template completed*
 - *Resource Binder compiled*
- *Farm Plan Workshop Series held in Sonoma*
- *Farm Plan Workshop Series being planned for Napa*
 - *Certification process being drafted*



Capacity Building

NBWA

- *Presentations to Board & Counsel*
- *Floodplain/Habitat Committee: Indicators Report*

WICC of Napa County

- *Presentations to Board & Staff*

Other RCDs

- *LandSmart™*
- *Joint grant applications*

Regional Water Quality Control Board

- *Field Tour for Board Members and Staff*

Other

- *TMDL implementation presentation at State of the Estuary Conference*

A photograph of a stream with a rocky bank. In the foreground, a grey monitoring pipe is inserted into the streambed. The water is clear and flows over rocks. The background shows a dense forest with moss-covered rocks and trees.

Watershed Monitoring

- *Monitoring Plan & QAPP approved*
 - *Streambed Scour*
 - *Gravel Permeability*
- *Monitoring conducted in 2012/13 and 2013/14*

Next Steps.....

- Continue to monitor the road work we've completed
- Continue to provide construction oversight for road work
- Carry out LandSmart™ Farm Plan Workshop Series
- Provide misc. technical assistance for TMDL related practices
- Implement 3 storm water runoff management practices
- Analyze monitoring data and perform more monitoring
- Continue to collaborate with partners and provide updates



THANK YOU

NBWA
MMWD
SFEP

and

EPA

for

overall project
management

WITH A SMILE!!