

Marin Coastal Permit Coordination Program: A program for environmental restoration on agricultural lands in West Marin

Why do we need a program?

- As many as 9 permits to consider for restoration.
- Can cost at least \$2,374 in hard cash and countless hours of learning the system.
- Can take years before permits are received =increased project cost + staff changes.
- Landowners may take projects into their own hands
 - not using the best design options.

How the program was set up.



How the program works



November

December-January

February

March

Landowner applies for funding and opts for coverage.

Project is evaluated and ranked (RCD Advisory Group).

Project is approved by RCD Board for design services.

Project is approved by RCD Board into permit program.

How the program works



April July

August October 15th January 30 day public comment period closes. 60 day agency comment period closes. Agencies visit sites. Permits received! RCD Board approves contractor bid. Project is complete! Status report is provided to agencies.



Animal Trail



Before

After

Wet crossing funded by State Coastal Conservancy in 1989.



Filter Strip



Filter strip funded by USDA Natural Resources Conservation Service in 1998.

Grade Stabilization Structure



Before

After

Loose-rock headcut repair funded by State Coastal Conservancy, State Water Resources Control Board, CA Department of Fish and Game and Students and Teachers Restoring a Watershed in 2002

Grade Stabilization Structure



Before



After

Willow wattle headcut repair funded by CA Department of Fish and Game in 2002

Grassed Waterway





Before

After

Funded by CA Department of Fish and Game and Students and Teachers Restoring A Watershed (STRAW) in 2000

Sediment Basin





Before

After

Funded by Marin Municipal Water District in 1994.

Spring Development





Before

After

Spring funded by State Water Resources Control Board in 2000.

Structure for Water Control





Before

After

Funded by USDA – Natural Resources Conservation Service in 2002.

Lined Waterway





Before

After

Rock-lined step channel funded by Wildlife Conservation Board, Students and Teachers Restoring A Watershed (STRAW), and AmeriCorps in 1999



Pipeline



Pipeline for alternative water source funded by State Water Resources Control Board in 2002.





Boulder cross log structure funded and managed by Marin Municipal Water District.

Stream Channel Stabilization



J-hook boulder vanes funded by State Coastal Conservancy, CA Department of Fish and Game and Students and Teachers Restoring A Watershed (STRAW) in 2002.

Stream Bank Protection





Before

After

Willow wattle streambank repair funded by CA Department of Fish and Game and AmeriCorps in 2002.

Stream Bank Protection



Before

After

Willow revetment funded by State Coastal Conservancy in 1990.

Access Road



Funded by State Coastal Conservancy in 2002.

Water & Sediment Control Basin



Before



After

Basin and grade control structures funded by State Coastal Conservancy in 1996.

Critical Area Planting



Before



After

Stream restoration funded by State Coastal Conservancy in 1996.

Benefits

- More restoration work is completed!
- Project designs are refined and improved and make for better projects.
- Projects are completed *with* permits.
- Implementation schedule is reduced from 3 years to 1.
- Ag producers avoid permit fees and agony of making beaurocratic sausage.
- Expands our funding opportunities.

Thanks to our Partners

- Landowners
- CA Coastal Commission
- CA Dept of Fish and Game
- Marin County
- National Oceanic and Atmospheric Association
- RCD Advisory Groups
- San Francisco Bay Regional Water Quality Control Board
- State Coastal Conservancy
- Sustainable Conservation
- US Army Corps of Engineers
- US Fish and Wildlife Service
- USDA Natural Resources Conservation Service