



Erosion Control and Riparian Restoration Technical Training Las Cienegas National Conservation Area

27 February 2021 | Instructor: Trevor Hare, River Restoration Director, thare@watershedmg.org

This will be a physically distanced, not socially distanced, mask-on event

Course Overview. WMG's 50 year vision to see the return of flows and riparian areas depends on slowing the flow of rainwater across our landscapes whether in a backyard, a piece of open space, a parking lot, a mountain range or desert stretch, or a river, creek or arroyo. Slowing the flow, increasing infiltration and soil moisture, and promoting soil retention and vegetation growth can be achieved with simple rock structures and brush cuttings.

Increase your working knowledge of landscape-scale water harvesting, erosion control and stream restoration practices with this intensive, hands-on workshop. The workshop is designed for those interested in learning about restoration, as well as landowners and land managers, farmers, ranchers, and students of permaculture. It emphasizes working with nature and will establish the foundational knowledge needed to work effectively with our most precious resource -water. Acquire the critical skills needed to recognize the root causes of watershed problems and identify the best opportunities to make improvements. Learn how to assess, design, plan and implement projects that utilize runoff as a resource.

Philosophy. Don't just do something, stand there.... Budget for long and thoughtful observation.... Look at the whole watershed.... Look for a reference site.... Look for opportunities and constraints, calculate costs and benefits.... Ecological restoration is a contact sport....

Goals of the Training. Treat an important drainage on Las Ciénegas to encourage infiltration and native plant growth, slow erosion, protect endangered species, and preserve the connection between the channel and its floodplain. Strengthen knowledge among those in our region wanting to work in urban, suburban, and rural contexts. Discuss and test novel restoration approaches that take into account future climate scenarios.

Pre-training Reading

- ✓ [Let the Water do the Work](#), Bill Zeedyk and Van Clothier, *optional but recommended*, \$38.50
- ✓ [Field Guide to Riparian Restoration, and Upland and Arroyo Erosion](#), Watershed Management Group
- ✓ [An Introduction to Erosion Control](#), Bill Zeedyk, Jan-Willem Jansens
- ✓ [Erosion Control Field Guide](#), Craig Sponholtz

Schedule**8 AM - 5 PM Las Cienegas National Conservation Area - Empire Gulch**

Please bring/wear closed-toed shoes, pants, hat, sunglasses, water bottle, sunscreen, lunch and snacks

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| 8-8:30 | Introductions and logistics |
| 8:30-11 | Assessment: Reading the landscape - Looking for opportunities and constraints |
| 11-12 | Design: Structures, their applications placements, and construction |
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| Noon | Lunch (Please Bring Your own) |
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| 1-2 | Planning: Project development, costs, and permitting |
| 2-4:30 | Implementation: Structure installation |
| 4:30-5 | Course wrap up: Evaluations, next steps |

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