

# ERTEC Environmental Systems

Protecting Global Lands and Waterways™

## Case Study

ProWattle™

Vineyard Operations



- > Lower Operational Costs
- > Better Performance
- > Sustainable—Zero Waste
  - ✓Recycled
  - ✓Reusable
  - ✓Recyclable



Velocity check for ditch or channel



Swale Protection

**Application:** Vineyard Ops, Sediment & Erosion Control  
**Product:** ERTEC ProWattle™  
**Customer:** Kunde Family Estates Vineyard, Kenwood, CA  
**SWPPP contact:** Steve Thomas, Director Vineyard Operations  
**Date:** 2010-2014 and ongoing

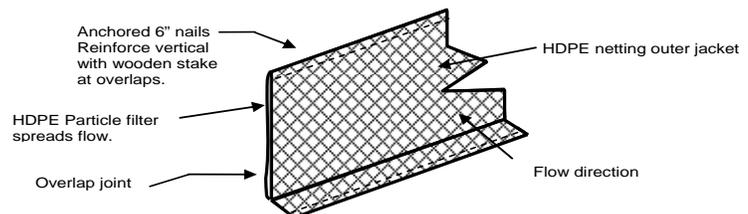
ERTEC ProWattle™ is ideal for Vineyard Operations as a replacement for traditional devices such as silt fence and wattles. **Its advantages are significant. It can be reused multiple times over multiple seasons. It is higher performing, lower cost, and zero waste.** ProWattle™ is designed to protect slopes, swales & perimeters from erosion and dramatically reduces logistics, installation and maintenance costs. ProWattle™ is fast to install and unlike straw wattles and silt fence, it spreads rather than concentrates flow.

**The Challenge:** The current best practice in vineyards is to use either silt fence or wattles to keep soil in-place. Wattles and silt fence can become ineffective by allowing damming and undercutting. As the straw or fence material decays, storm water flow-through and overtopping becomes common. Straw wattles and silt fence are short term single-use, then throw-away items.

**Results:** "ProWattle™ is great as a velocity check on our dirt roads. ProWattle can take some abuse, a distinct advantage for field operations during the winter. We use 4 wheelers to access the vineyards and can drive over them without having to stop and remove/reinstall or drive around. ProWattle™ is easy to install, remove, store for next year. I'm into the 4th season with the same material. We remove most of the ProWattle™ during the summer, store it inside, then install again every year. The mat'l cost is higher but the savings are substantial. It's so much easier to work with. I don't know why anyone would use straw wattles. I will buy every year until I have enough for all our needs." - Steve Thomas, Director of Operations—Kunde Family Estates



**ERTEC is Caltrans approved and included in the CASQA online Construction BMP Manual**



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Several U.S. and Int'l Patents apply

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