

ERTEC Environmental Systems

Protecting Global Lands and Waterways™

Case Study

S-Fence™ & ProWattle™

Roadside Rill & Gully Protection



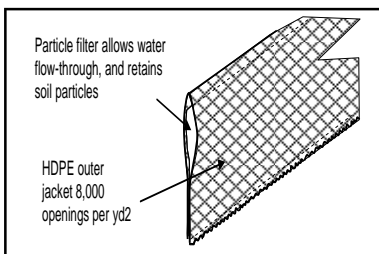
- > Lower Project Costs
- > Better Performance
- > ZERO Waste
 - ✓Recycled
 - ✓Reusable
 - ✓Recyclable



Keebler Pass rec'd 380" of snow
Winter 2010/2011



ERTEC products can survive heavy
snowpack with some maintenance



Application: US Forests — Erosion & Sediment Control

Products: ERTEC S-Fence™ & ProWattle™

Customer: Coal Creek Watershed

Project: Gunnison National Forest, CO, Keebler Pass—10,007 ft

Date: 2010-2012 and ongoing

S-Fence™ and ProWattle™ are ideal for Forest Service Lands as a replacement for traditional devices such as silt fence and wattles. **The advantages are many. They are highly durable, can handle snow loads, will not be eaten by animals, are lightweight and easy to deploy and remove and can be used multiple times over multiple seasons. They are higher performing, lower cost, and zero waste (nothing goes to land-fill).** ProWattle™ is designed to protect slopes, swales & perimeters from erosion and dramatically reduces logistics, installation and maintenance costs. S-Fence™ and ProWattle™ are fast to install and unlike straw wattles and silt fence, they spread rather than concentrate flow to reduce off-site sedimentation, rilling, gullying and head cutting. ERTEC products are made from recycled materials, reusable and can be recycled at the end of life.

The Challenge: The current practice on US Forest lands is to use silt fence or straw wattles to keep sediment from moving. Unfortunately, it is common to see silt fence toppling in the wind, breaking down in UV light or allowing concentrated flows in areas where it is not trenched properly. Wattles have similar problems but can also become a food source for animals. Storm water underflow, end-arounds and overtopping is common.

Results: "The Coal Creek Watershed Coalition is impressed with the durability of ERTEC's products. Our watershed receives heavy snowpack and high levels of winter and summer recreational use. S-Fence™ and ProWattle™ demonstrated their effectiveness in these extreme conditions. The products resolved this roadside problem, drastically reduced the rilling and gullying that was taking place." - Anthony Poponni—Director, Coal Creek Watershed



BEFORE: Summer 2010—road is
threatened with rilling & head-cutting



AFTER: Fall 2011—rilling, headcutting
reduced, road-side threat stabilized



ERTEC spreads flow & captures sediment. It
will not let rills and gullies propagate