

ERTEC Environmental Systems

Protecting Global Lands and Waterways™

Case Study E-Fence™

Wildlife Exclusion for
Small Vertebrates



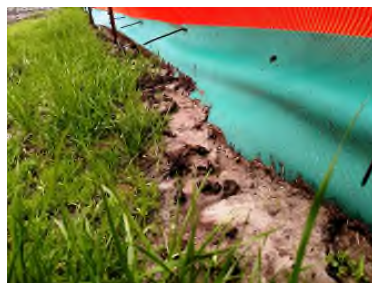
- > Highly Reliable
- > Lower Project Costs
- > ZERO WASTE
 - ✓Recycled
 - ✓Reusable
 - ✓Recyclable



ERTEC Sediment Control



Post Storm



Post Storm

Application:

Product:

Customer:

Project:

Exclusion of Special-Status Species from Job Sites

E-Fence™ Triple Function: Exclusion, Hi-Vis Safety,
Sediment Control Temporary Installation

Electrical Utility

Substation Expansion

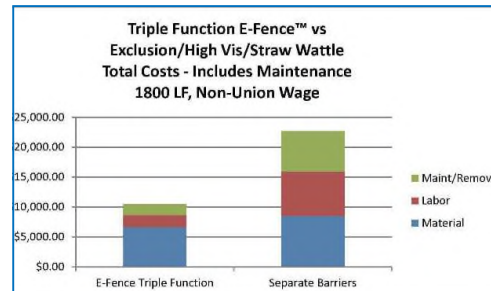
ERTEC E-Fence™ is a highly reliable and low cost species exclusion and control barrier designed for projects in habitat where threatened small vertebrates are present. The fence is designed to exclude small vertebrate species from active construction areas, control movement within fragmented habitat and for survey perimeter control. E-Fence has the capability to serve three functions, eliminating the need for additional fence lines: 1) Wildlife exclusion, 2) High Visibility Personnel and Equipment Control for Safety and 3) Sediment Control using ERTEC's revolutionary sediment control systems.

- Typically cuts first project costs significantly. If reused on subsequent projects, the savings are dramatic.
- Highly configurable for different species and habitat
- Allows wind and water flow-through and significantly reduces knock-downs, and washouts.

Project Focus: Alameda whip snake (*Masticophis lateralis euryxanthus*) exclusion

Configuration: E-Fence, Orange, 48" width. Trenched 5". ERTEC S-Fence used for sediment control, same trench. No climber barrier lip required. Install sediment control only where needed (about 60% of the perimeter).

The Challenge: Its common to see silt fence (black fabric typically used to control sediment flow from construction sites) to exclude small vertebrates from construction sites and also to provide sediment control. Unfortunately, it is common to see silt fence topple in wind, or decay from UV exposure. Silt fence is susceptible to ponding from stormwater runoff and often allows undercutting. Where the barrier is installed across contours, water can race along the barrier and scour the trench quickly. Construction projects often last 12 months or more and it is typical for a silt fence installation to require maintenance or replacement. Additionally, estimators often overlook the cost of removal and disposal to landfill. Proper installation, removal and disposal is costly. On multiphase projects, it is also desirable to relocate and reuse the barrier as construction progresses. This usually cannot be done with silt fence or plywood fencing.



E-Fence Triple Function Barrier Installed Around Substation During Construction



Sediment Control Installed to Control Run-On

Results: "The owner decided to combine Exclusion, Safety and Sediment Control with E-Fence Triple Function because they saw an opportunity to save quite a bit. We had some pretty strong storms during this project and it has performed as advertised. Good performance and no maintenance." -Bob Brown, Team EES (Installing & Maintenance Contractor)