

ERTEC Environmental Systems

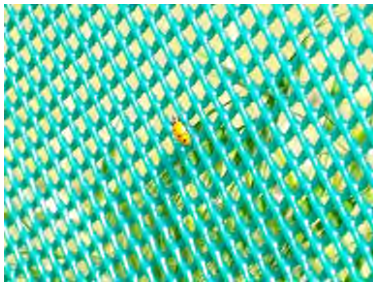
Protecting Global Lands and Waterways™

Case Study E-Fence™

Wildlife Exclusion for
Small Vertebrates



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



Rigid Polymer Matrix



Optional barrier lip available to contain climbers

Application:

Product:

Customer:

Project:

Project Date:

Exclusion of Special-Status Species from Job Sites

E-Fence™ 40", Single Function—Exclusion Only
Temporary Installation

Contra Costa Water District

Victoria Island Pump Station

September 2008—2010

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:

- Typically cuts first project costs by 50%. If reused on subsequent projects, the savings are dramatic.
- Highly configurable for different species and habitat
- ZERO WASTE—Recycled, Reusable, and Recyclable HDPE.
- Allows wind and water flow-through and significantly reduces knock-downs, washouts and scouring.



Focus Species: Exclusion of Giant garter snake (*Thamnophis gigas*) from construction site

Configuration: E-Fence with 40 inch width. Trenched 5". No barrier lip required.

The Challenge: The current best practice is to use plywood boards or silt fence (black fabric typically used to control sediment flow from construction sites) to exclude small vertebrates from construction sites. Unfortunately, it is common to see silt fence topple in wind, or decay from UV exposure. Both silt fence and plywood fencing are susceptible to stormwater runoff and often allow undercutting. Where the barrier is installed across contours water can race along the barrier and scour the base trench quickly. Construction projects often last 12 months or more and it is typical for a large percentage of the silt fence or plywood board 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.



Results: "ERTEC E-Fence™ performed very well. Installation was quick and easy. It survived several very windy storms and continues to provide continuous protection. It's been one and a half years since installation and maintenance has been minimal." - Spokesperson—CCWD

Accepted by wildlife agencies for many species and configurations. For most up-to-date list check E-Fence Specifications—found among product documents at: www.ertecsystems.com

