

ProGanics™ Biotic Soil Media™

“The World’s Most Advanced Biotic Soil Media”

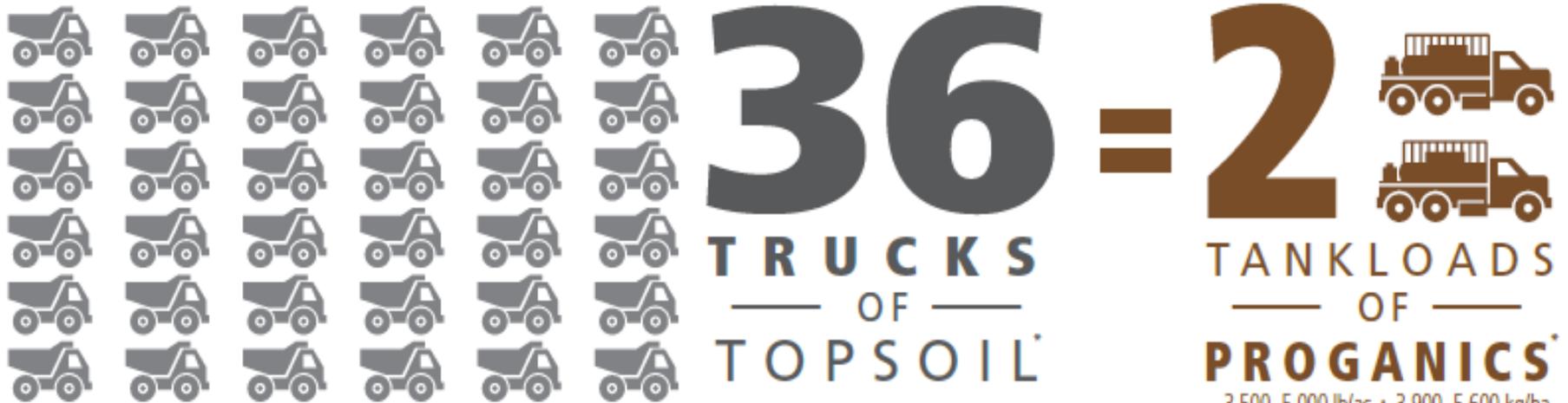
- **ProGanics™ Biotic Soil Media™** is a patent pending composite of Engineered Soil Media™ (ESM™) designed to accelerate development of soils and substrates with low organic matter, low nutrient levels and limited biological activity
- **ProGanics** helps build poor soils to their fullest potential for vegetative establishment and more effective, long-term erosion control
- **Effective alternative** to expensive and hard to find sources of topsoil as well as compost, peat, manure and other sources of organic material
- **BSM** improves soils by adding organics and biostimulants, but also create an ideal growing environment

ProGanics Composition Benefits

The ProGanics **Patent Pending** formulation innovated using time proven components from the horticultural and erosion control industries.

- **Renewable Thermally Refined[®] Bark and Wood Fibers** – to provide renewable organic matter, high moisture retention & maximum coverage; phyto-sanitized to eliminate weed seeds and pathogens.
- **Biochar** – derived from pyrolysis of wood sources – to create stable, porous particles that demonstrate a high Cation Exchange Capacity, a high ability to hold water and nutrients and act as prime habitat for beneficial bacteria and fungi
- **Cross-linked Polysaccharide Biopolymers** – to increase water holding capacity, increase viscosity and bond strength of media matrix
- **Proprietary Formulation of Fast-Acting and Sustained Release Soil Building Components Containing Seaweed Extract, Humic Acid and EndoMycorrhizae** — have been proven under demanding conditions in a wide variety of environments

ProGanics Provides a Cost-Effective Alternative to Imported Topsoil



*Amount needed to cover 1 acre (0.4 ha) with 4 in (10 cm) of topsoil. The depth is dependent on quality, density and availability of topsoil.

3,500–5,000 lb/ac • 3,900–5,600 kg/ha
*3,000 gallon capacity per truck.



**Cannonsburg Trail,
Michigan
July 2015**



July 28, 2015



August 12, 2015



August 25, 2015



August 25, 2015



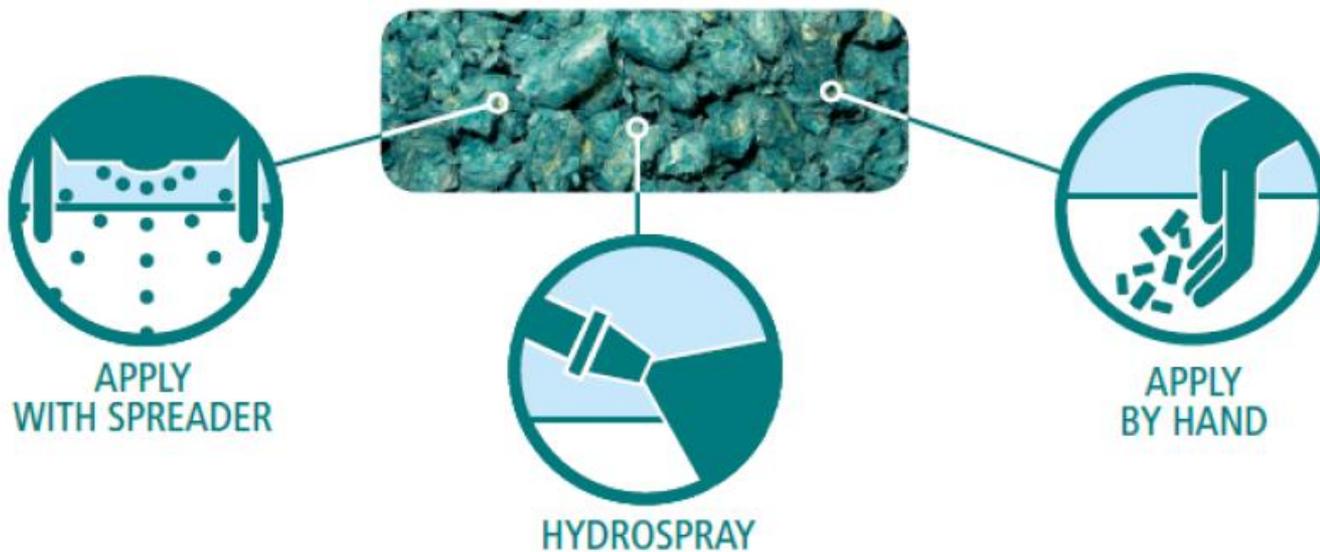
August, 2016

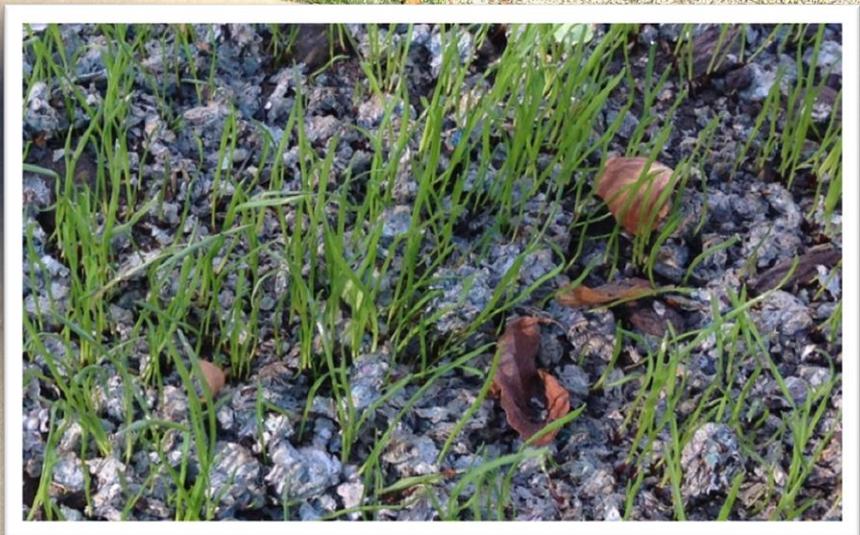




Seed Aide® **CoverGrow™** SPREAD OR SPRAY

Mulching Granules







Seed Aide
CoverGrow[™]
SPREAD OR SPRAY

Mulching Granules



CoverGrow[™] quickly and easily establishes vegetation no matter what your application method. It's the perfect solution for bare spots, dead patches, irregular shaped areas and roadside strips.



Futerra[®]
F4 NETLESS[®]



Futerra[®]
ENVIRONET[™]

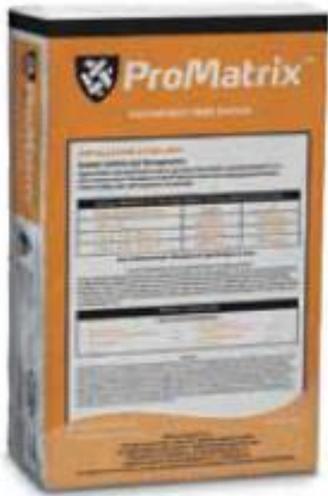


FUTERRA[®] F4 NETLESS[®]

Roll Dimensions	Roll Area	Average Weight	Rolls/Pallet	Truckload Quantity
3.25' x 90' 1 m x 27.4 m	32.5 yd ² 27.4 m ²	10.5 lb 4.8 kg	32	24,960 yd ² 20,866 m ²
6.50' x 90' 2 m x 27.4 m	65 yd ² 54.8 m ²	20.5 lb 9.32 kg	16	24,960 yd ² 20,866 m ²

FUTERRA[®] ENVIRONET[™]

Roll Dimensions	Roll Area	Average Weight	Rolls/Pallet	Truckload Quantity
3.33' x 135' 1 m x 41 m	50 yd ² 41 m ²	17 lb 7.7 kg	32	38,400 yd ² 31,488 m ²
6.83' x 135' 2.1 m x 41 m	102.5 yd ² 86.1 m ²	36 lb 16.3 kg	16	39,360 yd ² 33,062 m ²



ProMatrix™

Engineered Fiber Matrix (EFM)



NEW PROMATRIX ENGINEERED FIBER MATRIX TECHNOLOGY DELIVERS:

- **HIGHEST-LOADING FORMULATION** with BFM performance; 60 pounds per 100 gallons of water
- **CLASS LEADING** erosion control effectiveness meets or exceeds all industry testing standards for BFM/SMM products
- **LASTING PERFORMANCE** with a Functional Longevity of up to 12 months
- **QUICK GERMINATION** and rapid vegetative establishment
- **ENVIRONMENTALLY SAFE**; it's non-toxic, contains 100% recycled wood fibers and is 100% biodegradable



**20%
Fewer** Tank Loads Per Job



Solutions for your Environment™

SprayMatrix™ Fiber Reinforced Matrix (FRM)

Profile
Solutions for your Environment

SPRAYMATRIX
FIBER REINFORCED MATRIX

MATRIZ DE FIBRA REFORZADA (FRM)

INGREDIENTES

- Térmico-mecánica procesado fibra de madera
- Retículo adherente

MODO DE EMPLEO

SprayMatrix™ se mezcla y se aplica con una máquina esparcidora hidrosiembra (se recomienda máquina de agitación mecánica). Por favor, siga las instrucciones del fabricante del equipo y recomendaciones de operación.

- Mezclar con aproximadamente 125 galones de agua por paca de 25 kilogramos.
- Semillas, fertilizantes y enmiendas del suelo se puede agregar como se especifica para proporcionar una aplicación de un solo paso para la hidrosiembra y los proyectos de control de la erosión.
- Aplicar con una boquilla tipo ventilador (punta de 50°) utilizando una técnica transversal para alcanzar una relativa cobertura de 95%.

APLICACION RECOMENDADA

PENDIENTE MÁXIMA	kg/ha
≤ 4H a 1V	2800
≤ 3H a 1V	3360
≤ 2H a 1V	3920
≤ 1H a 1V	4480
> 1H a 1V	5040

PESO NETO 22,7 KG (50 LB) HECHO EN EE.UU.

PROFILE PRODUCTS LLC
750 W. LAKE COOK ROAD • SUITE 400 • BUFFALO GROVE, IL 60089
SERVIDOR/A CLIENTE: 847-215-1144 • WWW.PROFILEPRODUCTS.COM

PROFILE ES UNA MARCA REGISTRADA DE PROFILE PRODUCTS LLC
SPRAYMATRIX Y SOLUTIONS FOR YOUR ENVIRONMENT SON MARCAS DE PROFILE PRODUCTS LLC
FABRICADO POR PROFILE PRODUCTS LLC - CONOVER, NC 28624
U.S.A. - NUMEROS DE TELÉFONOS: 6 942 026 6 7 70 762 6 74 1 42 2 6 260 878 7 712 804

- ✓ Premium erosion control performance
- ✓ Extended functional longevity
- ✓ Easy mixing and hydraulic application
- ✓ Fewer call backs
- ✓ Slope protection
- ✓ Improved germination and plant establishment

SprayMatrix™ Fiber Reinforced Matrix (FRM)



SprayMatrix™ Fiber Reinforced Matrix (FRM)



SprayMatrix™ FRM = Fewer Call Backs!



An aerial photograph of Los Angeles, California, showing the city skyline in the background and a dense residential area in the middle ground. In the foreground, a hillside is covered in green seed balls. A helicopter is flying over the hillside, dropping a large amount of green seed balls. The text "Los Angeles, California Griffith Park Fire Revegetation Effort" is overlaid on the right side of the image in yellow.

**Los Angeles, California
Griffith Park Fire
Revegetation Effort**

Sochi, Russia
2014 Winter Games
Fall 2012





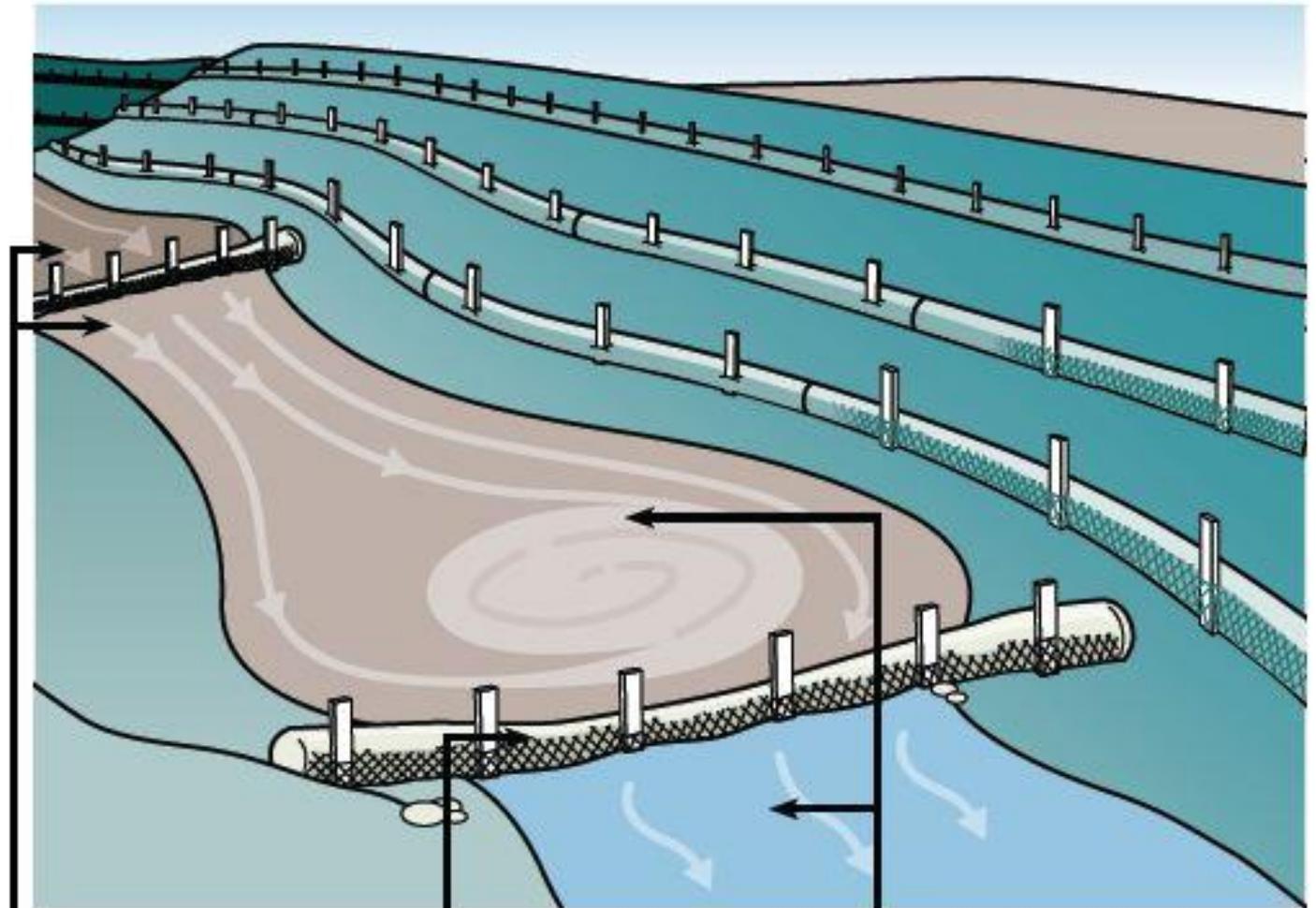


**Sochi, Russia
October 2013**



TERRA-TUBES®

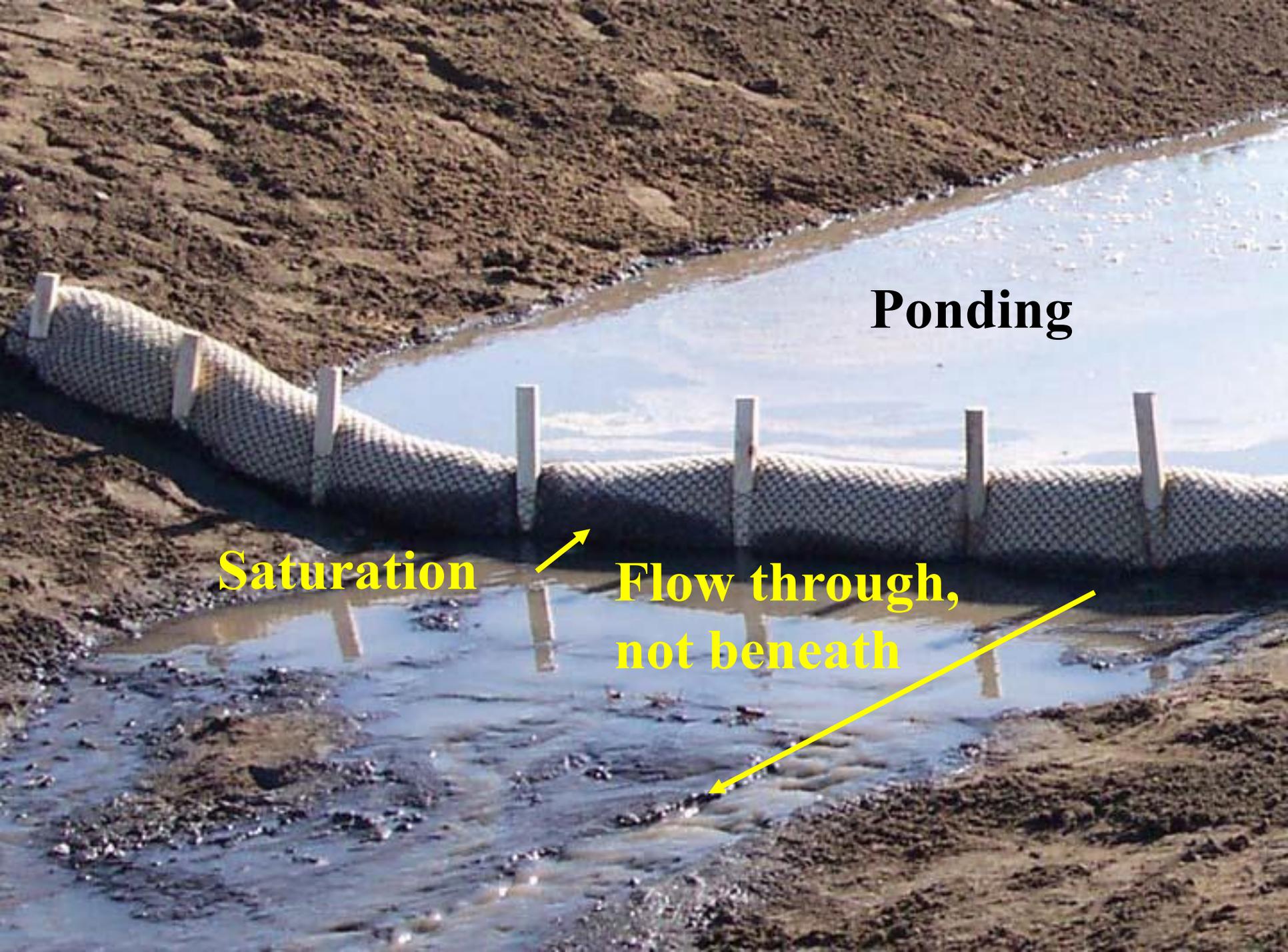
Fiber Filtration Tubes



Flow

Filtration

Flocculation



Ponding

Saturation

**Flow through,
not beneath**

A roll of white geotextile fabric is shown lying on a muddy, brownish surface. The fabric is heavily clogged with thick, brown sediment and debris, particularly at the bottom edge. The surrounding area is wet and muddy, with some puddles of water reflecting the light. The text "Better here than in an impaired waterway!" is overlaid in yellow on the bottom right of the image.

**Better here
than in an
impaired
waterway!**



Downstream

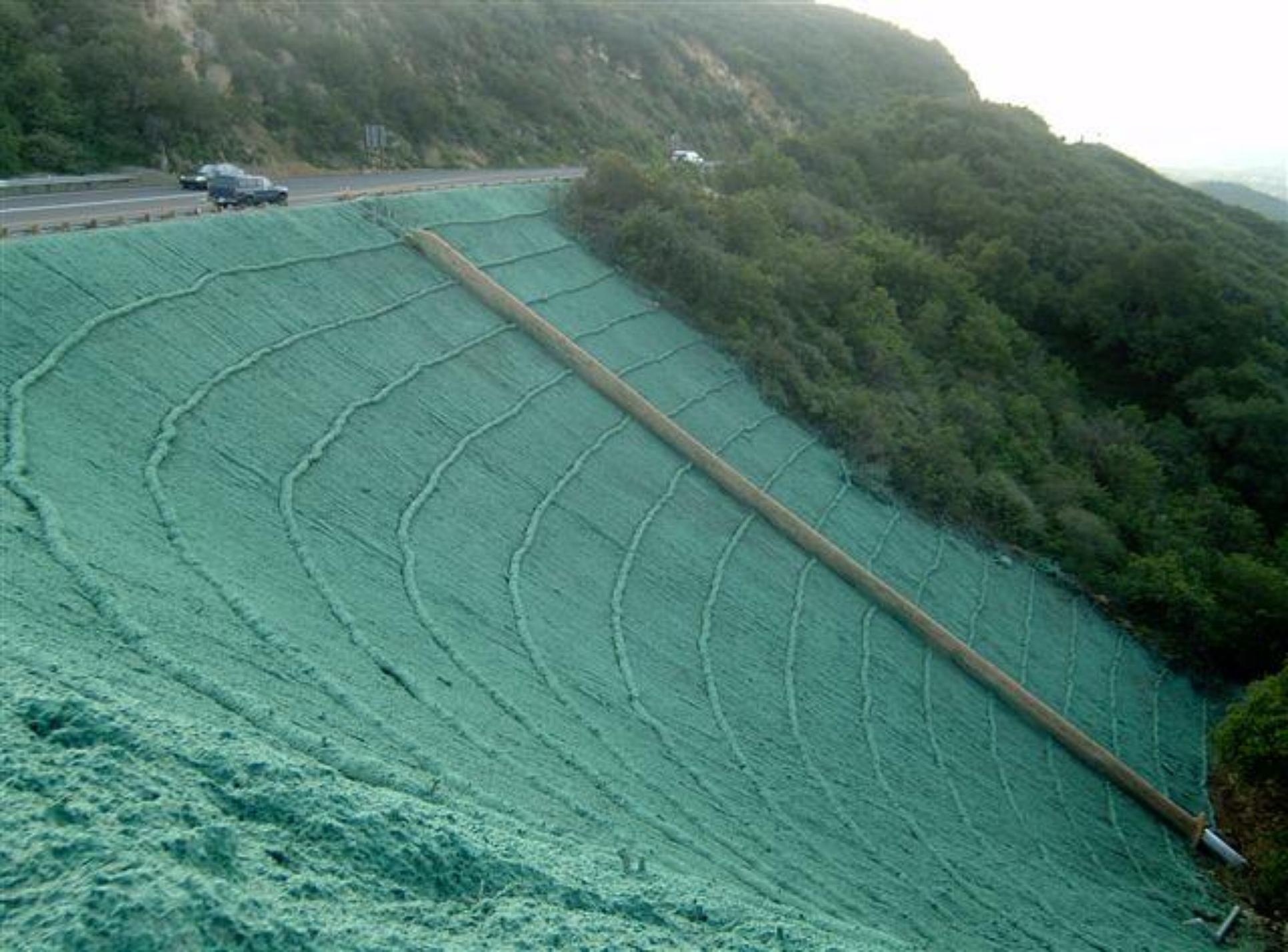
Upstream

99% Reduction in Turbidity!



Caltrans Highway 154

JAN 11 2005





05/23/2006

Panama Canal : La Pita – Culebra Cut



Heavy Rains during Wet Season



Panama Canal : La Pita – Culebra Cut : 30 Days



Power Substation USA



2009 2 25







05/07/2009



Ultimate Root Reinforcement

Ditches and Channels



Green Armor Solution Replaces Past Issues







 **GREENARMOR
SYSTEM**



11.27.2007

**GreenArmor at
17 lb/ft² of Shear Stress
(814 N/m²)**



Profile Soil Solutions Software



www.profileps3.com

“In the Ground, On the Ground and By Your Side”

