

Performance Based Erosion & Sediment Control Solutions for Pipeline Projects

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Erosion Control vs Sediment Control

- **Erosion Control works to prevent soil from moving (keep it in its place)**
- **Sediment Control works to remove soil particles that have eroded and are being moved by water**



NOTE: Proper Erosion Control can greatly reduce the need for Sediment Control

Erosion control blankets are typically manufactured with three general fiber types:

- 1. Straw**
- 2. Coconut**
- 3. Excelsior Wood**





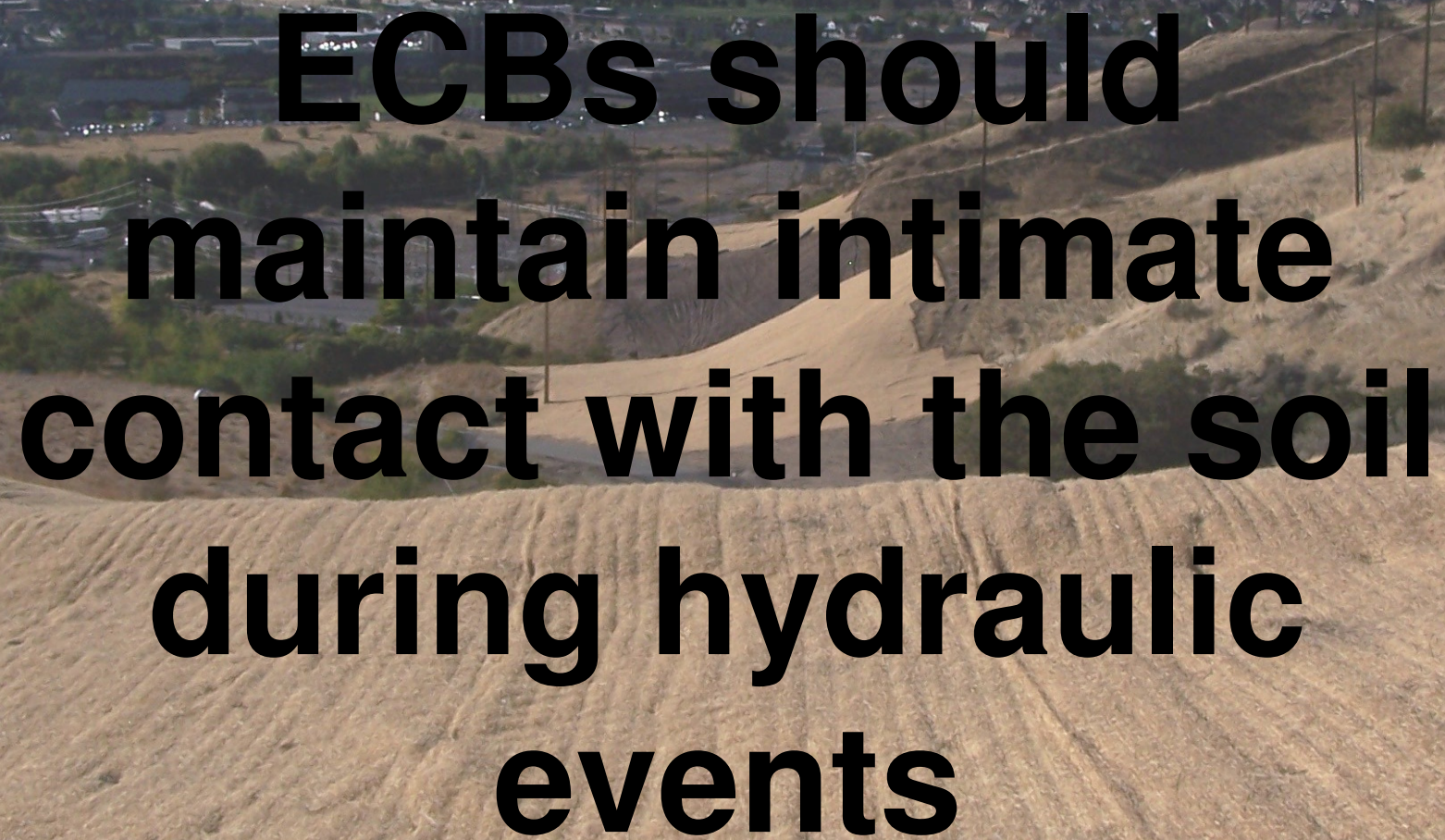
Straw Fibers

A close-up photograph showing a dense, tangled mass of brown coconut fibers submerged in water. The fibers are thin, elongated, and have a slightly glossy texture. The water is a murky, light brown color, and the overall scene is a complex web of these natural materials.

Coconut Fibers



Excelsior Fibers

An aerial photograph of a dry, hilly landscape. In the foreground, a large, light-brown, textured mound of soil or sand dominates the view. Beyond this, a valley contains a small town with various buildings and greenery. In the far background, a range of blue mountains is visible under a clear blue sky with some light clouds. Power lines are visible across the scene.

**ECBs should
maintain intimate
contact with the soil
during hydraulic
events**





BEFORE



AFTER













Sediment Control



Sediment Logs and Wattles

**Channels,
Slope
Interruption,
Perimeter
Control, Inlet
Production**



Estimated Flow Rates for Straw Wattles and Excelsior Sediment Logs

Fiber Type	Density (lb/ft ³)	GPM/ft ² (ASTM D5141)	GPM/linear ft of installed product
6" Excelsior Sediment Log	2.4	42.5	19.5
9" Straw Wattle	4.5	7.5	5.6
9" Excelsior Sediment Log	2.3	42.5	29.0
12" Straw Wattle	3.8	8.0	8.0
12" Excelsior Sediment Log	2.5	40.0	36.7
20" Excelsior Sediment Log	1.4	37.5	46.9

Large-Scale Rainfall Testing on Slopes – ASTM D6459

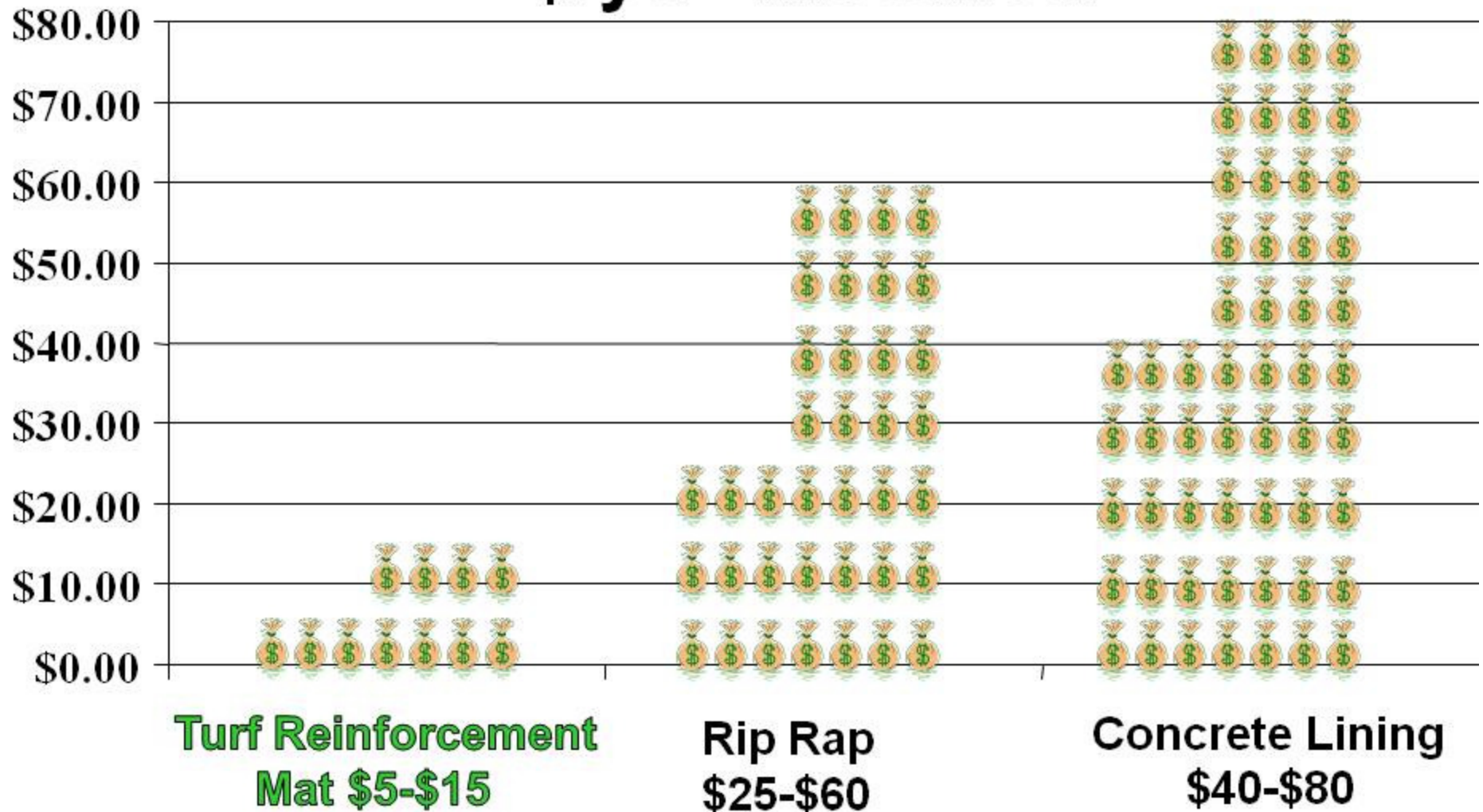



Large-Scale Channel Testing – ASTM D6460



Green Solutions Do Not Have To Cost More

≈ \$/yd² Installed





**American Excelsior Company Can
Help You Stop Worrying About
Erosion and Sediment Control.**

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