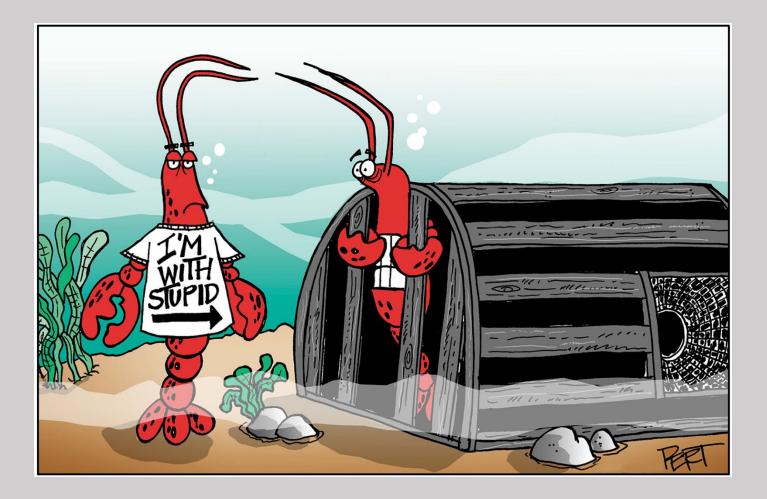
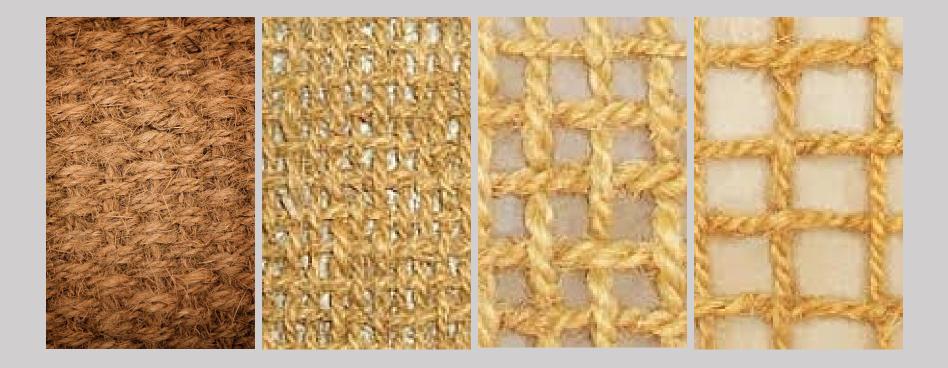


Mike Everhart

Eastern Erosion Control & Stormwater Specialist ME, NH, VT, Eastern Mass & RI 603-767-1263 <u>mike.everhart@ejprescott.com</u>

Yep, I'm from Maine





• Coir matting: 400 -1,000gsm

Coir Products



Coir logs: 12"-20"dia 7 and 9lb density coir or polypropylene netting



Coir Products



Coir Products

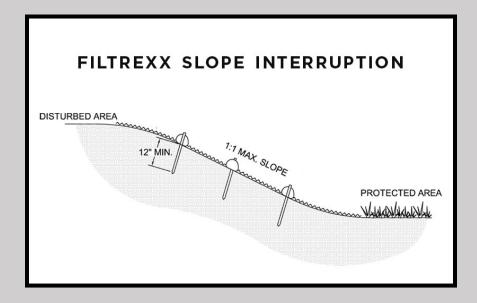


Shoreline Stabilization, Choosing the right Solution



Bio-Soxx & Bio-Wattle

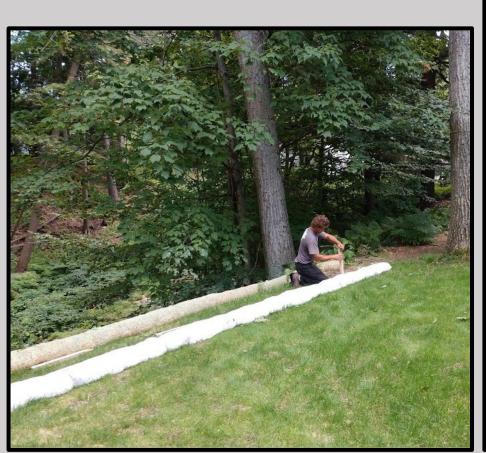
Compost Soxx & Straw Wattles



- Can use on 1:1 Slopes
- Better Trapping & Removal of Sediment & Pollutants
- More Intimate Ground Contact
- No Trenching
- Can be Installed on Frozen Ground

- Slows Runoff Velocity
- Reduce Slope Length
- Can be used in Environmentally
 Sensitive Areas





Compost Soxx & Straw Wattles



Compost Soxx & Straw Wattles



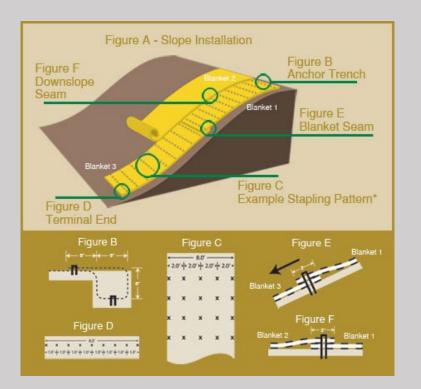


	BIONET	TEMPORARY BIONET		
		and a		
	S75BN	S150BN	SC150BN	C125 BN
Longevity	12 mo.	12 mo.	18 ma.	24 mo.
Applications	Low Flow Channels 41-3:1 Slopes	Moderate Flow Channels 31-2:1 Slopes	Medium Flow Channels 2:1-1:1 Slopes	High-Flow Channels 11 and Greater Slopes
Design Permissible Shear Stress Ibs/ft ^a (Pa)	Unvegetated 1.60 (76)	Unvegetated 1.85 (88)	Unvegetated 2:10(100)	Unvegetated 2.35 (112)
Design Permissible Velocity ft/s (m/s)	Unvegeta ted 5.00 (1.52)	Unvegetated 6.00(1.83)	Unvegetated 800 (2.44)	Unvegetated 10.00 (3.05)

- Temporary
- Single Net Straw
- Double Net Straw
- Double Net Straw/Coconut
- Double Net Coconut
- Excelsior
- Photodegradable
- Biodegradable

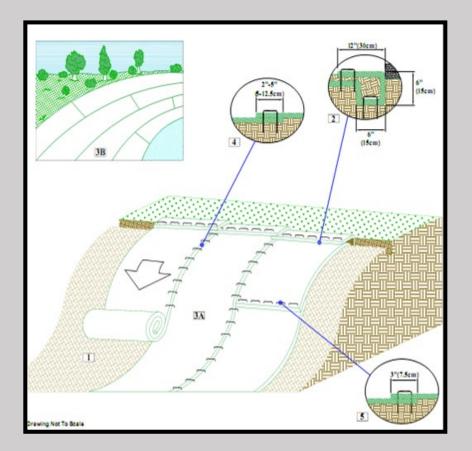
- Short Term Temporary
- Long Term Temporary
- 45 days
- 36 months

Proper Installation of Erosion Control Blankets



Step to take when using ECB's

- Start 1-2 feet behind crest of slope
- Trench for keying in Blanket
- Seeding and amendments prior to installation of ECB
- Staple ECB in Trench
- Backfill Trench
- Roll ECB down slope
- Pull ECB tight while stapling down slope
- Verify 100% ground contact













Hydraulic Erosion Control Mulches

Hydraulically Applied Erosion Control Mulches



Hydoseeding





Hydraulically Applied Erosion Control Mulches

Products are Environmentally Friendly...

- **Biodegradable** mulch/matrix media
- **100% recycled** wood and paper fibers
- **Biodegradable** mulch fibers and tackifiers
- Phyto-sanitized wood fibers Thermally-refined[™]
 No pathogens and weed contaminants
- **Non-toxic** passing EPA ecotoxicity testing protocol

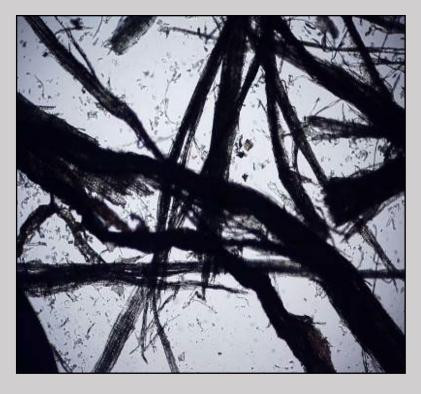


Hydraulically Applied Erosion Control Mulches

Thermally refined



Atmospherically refined



Fiber magnified 45 times by independent lab specializing in fiber analysis

Hydraulically Applied Erosion Control Mulches

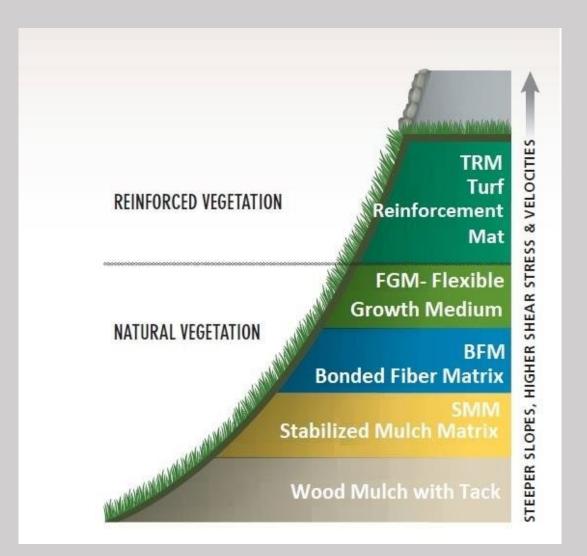
Seeding Mulches

- Cellulose
- Wood Fiber
- Blend 70/30
- Pelletized fiber
- Straw fiber

Erosion Control Mulches

- Stabilized Mulch Matrix (SMM)(SFM)
- Bonded Fiber Matrix (BFM)
- Engineered Fiber Matrix (EFM)
- Fiber Reinforced Matrix (FRM)(FGM)

Hydraulically Applied Erosion Control Mulches



Hydraulically Applied Erosion Control Mulches



Hydraulically Applied Erosion Control Mulches

Sensitive Areas Near Water Bodies



Hydraulically Applied Erosion Control Mulches

Sensitive Areas Near Water Bodies



Hydraulically Applied Erosion Control Mulches

Sensitive Areas Near Water Bodies



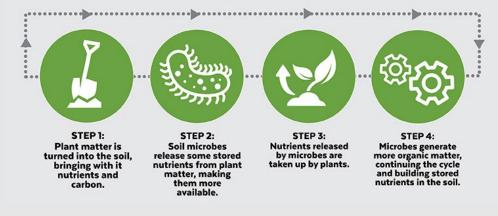
What is the best form of Erosion Control?

Sustainable vegetation!

Sustainability Comes From Nutrient Cycling

Requires a <u>healthy</u> <u>soil</u> as the infrastructure to support and nurture vegetation

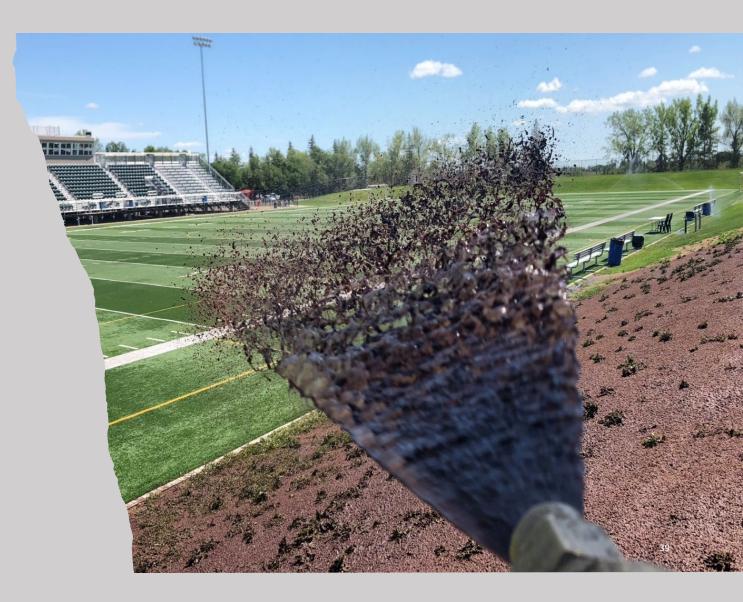
HOW MICROBES INCREASE SOIL NUTRIENT AVAILABILITY & BUILD SOIL ORGANIC MATTER



Organic Matter and Biological Activity

- Organic Matter (OM) is the foundation for all biological life in the soil
- OM provides structure and water-holding capacity
- Without biological life, the OM is not capable of building a solid foundation





ProGanics™ Biotic Soil Media™ "The World's Most Advanced Engineered Soil Media"

ProGanics™ Biotic Soil Media™ is a <u>patented</u> 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 improves your soil profile and composition by adding organic matter, biostimulants, and soil building components to create a more favorable growing environment.



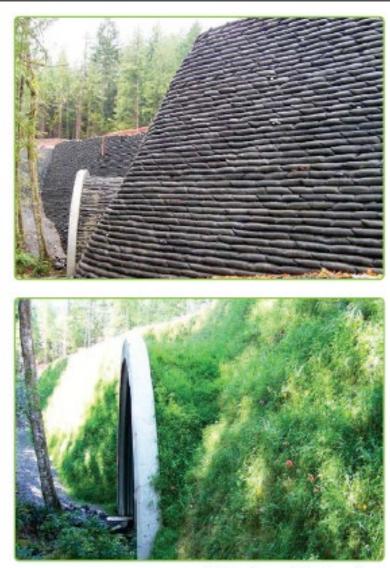
Gorham, ME



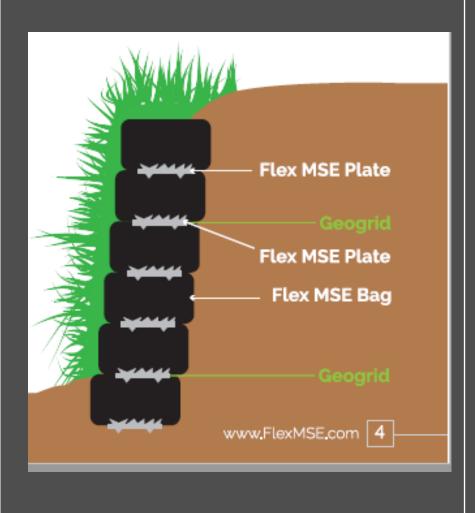
Gorham, ME







10m (33ft) tall municipal roadway



- Can be installed from horizontal to 90° (1:1 1:10 typ.)
- Able to withstand almost unlimited differential settlement
- ASTM rated 120 year design life with a 75 year warranty
- Only Geosynthetic System in the world with an EPD/LCA
- Uses 97% less GHG than concrete, 98.5% less than steel
- 50% recycled content, 100% recyclable
- Installs in 2/3 the time, at 60% the cost of other systems







ECO-FRIENDLY INFRASTRUCTURE LANGFORD, BC









THANK YOU

Mike Everhart

Eastern Erosion Control & Stormwater Specialist ME, NH, VT, Eastern Mass & RI 603-767-1263 <u>mike.everhart@ejprescott.com</u>