

# The GEOSOURCE UPDATE

*from Your Trusted Site Solution Specialists*

Geosynthetics | Erosion & Sediment Control | Stormwater Management | Hardscapes

## PROJECT HIGHLIGHT

### Massive Erosion Requires Solutions at Rainier River Walk Project

*Presto Geoweb for Slope & Wall Panels Supplied as Erosion Control Solution*

Cascade Geosynthetics worked with LCD Excavation on the Rainier River Walk project for the City of Rainier, Oregon. The contractor faced massive erosion at this project site that was close to multiple structures. Our technical sales representative, Travis Riehl, worked with LCD on preliminary designs to propose an ideal solution.

Presto's Geoweb was installed on the bank slopes and as a retaining wall to reinforce outfalls and stabilize the river bank for the city's new riverwalk. The installation took three days and included 7,000 SF of Geoweb installed on the slope with TP-93 tendons on a deadman pipe and 500 SF of wall panels installed with Miragrid 3XT reinforcement.

The Geoweb Soil Stabilization System prevents erosion by confining the infill material within its cellular structure (geocells), making it resistant to sheet flow and preventing scour on slope surfaces. The Geoweb system promotes vegetation growth, making it a long-term replacement for other expensive erosion solutions.



Before River Walk Installation w/ Massive Erosion



After River Walk Installation w/ Presto Geoweb Support





# PRODUCT PROFILE

## Engineered Soil Media Solutions

We are proud to supply the Profile Products line of the most advanced Engineered Soil Media — ProGanics Biotic Soil Media and ProGanics DUAL Biotic Soil + Erosion Control. Starting with soil test results to ensure unique site challenges are met, these products are engineered to help soils reach their fullest potential for vegetative establishment and more effective, long-term erosion control.

### ProGanics Biotic Soil Media

Ignite the nutrient cycle process with ProGanics BSM. ProGanics accelerates the development of depleted soils/substrates with low organic matter, low nutrient levels and limited biological activity by providing the soil-building components needed for revitalization. It is an ideal alternative to trucking topsoil to sites, or where site access is very limited. And as a hydraulically applied product, ProGanics saves you time and money.

### ProGanics DUAL Biotic Soil + Erosion Control

In one hydraulic application, ProGanics DUAL provides the proven soil-building benefits of ProGanics Biotic Soil Media plus the best erosion control effectiveness among all combination products. Save time and tank loads while increasing job-site productivity with ProGanics DUAL.

[Check out this short video](#) to see these products in action.

## SCHEDULE A PRESENTATION OR MEETING

We're here to solve all your erosion, sediment, geosynthetic, stormwater, hardscape and vegetation management problems. Want to discuss a project plan or interested in learning about our site solutions? Contact us!

We are happy to meet with you either in person or virtually. Our on-staff engineer, Bill Murphy, P.E., or one of our technical sales representatives can share a presentation to help you gain a deeper understanding of our products and how they work. We can also discuss project designs or plans and walk through solutions and installation methods to ensure the right materials are used and installed correctly to ensure the project's success.

We offer PDH Certificates to those who attend our presentations.

[CLICK TO SCHEDULE](#)



Before



Application



4 Months After Application



1 Year After Application

# IT'S REVEGETATION SEASON!

## Biosol Forte Organic Fertilizer for Vegetation Improvement

Now is the best time to focus on revegetation and vegetation management to ensure success for next year. Contact us for assistance with all your revegetation projects, and we'll help with seed and fertilizer selections.

Biosol Forte is ideal for any application involving poor or disturbed soils, including mining reclamation, road cut revegetation, high altitude revegetation, general landscaping and soil restoration. Used for both primary and secondary fertilization, Biosol Forte can be dry broadcasted or applied with a hydroseeder.

Biosol is a high-performance organic fertilizer. It is a long-lasting solution composed of 95-97% organically bound nitrogen that will last for several seasons, supporting plant establishment. Biosol's quality organic composition of beneficial bacterial and fungal biomass enhances soil health and stimulates microbial life, which is proven to have a positive effect on plant health. This unique slow-release nutrient formulation provides vital plant nutrients throughout the entire growing season due to the fermented organic material.

Biosol Forte will not burn seed or vegetation and is safe to be used around animals, children, lakes and streams.

What's unique about Biosol? You have never seen a fertilizer like this for longevity and improving soil health! Watch our Biosol Technical Talks Webinar to learn more about this product.



Before Biosol Forte



2 Years After Biosol Forte

[CLICK TO WATCH RECORDING](#)

## IECA MOUNTAIN STATES REGIONAL CONFERENCE



Join us for the IECA Mountain States Chapter Conference November 15-16 in Denver, Colorado! Bowman Construction Supply and Rocky Mountain Bio Products will both have booths and will present on the following.

### **Bill Murphy, P.E. Presenting on**

Post Fire Reclamation: Managing Debris Flow & Stream Diversions

**Tuesday, November 16th 9:25-10:25am MST**

### **Bill Agnew, CPESC Presenting on**

Can Reseeding/Treating High Severity Burn Areas in the Mtn. States Region of the U.S. be as Successful at Reducing Erosion as the Carr Fire Project in N California?

**Tuesday, November 16th 1:40-2:25pm MST**

Learn more about the conference, details on the presentation topics, and register to attend [here](#).



# ENGINEER'S NOTE

## *From the Desk of Bill Murphy, P.E.*

"Wisdom is the right use of knowledge." Charles Spurgeon

"Just because you can, doesn't mean you should." Bill Murphy

The second is a line I often use with my children. Sometimes people try too hard to control situations and events.



Bill Murphy, P.E.

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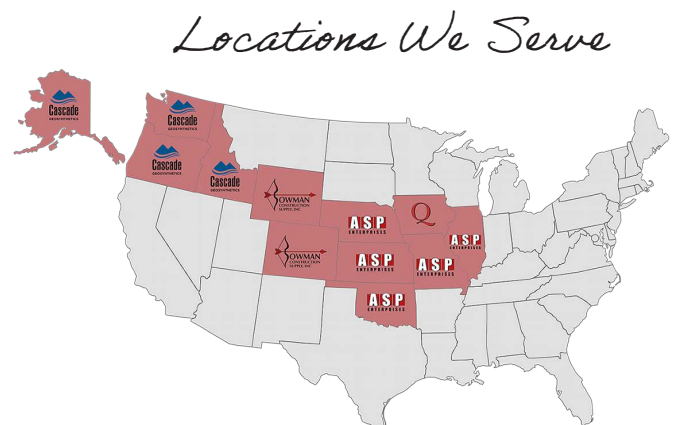
While visiting the FL Gulf Coast recently, I read about sea turtles. I learned that we are not supposed to help baby sea turtles find their way to the sea from their nests in the sand dunes. Likewise, we are not supposed to impede their path with things like trash, sandcastles, or other man-made structures. All we are supposed to do is let nature take its course.

In this photo, you can see the tiny tracks made by what I imagine are tiny baby sea turtle flippers as it journeyed towards the water's edge. I quietly hoped it made it. Every morning I would walk to the beach and smile at the discovery of new tracks towards the sea. I'm hopeful for their success.

In our profession, we are in the business of protecting natural resources wherever possible. It is in our nature to help nature. To do that, we must constantly be learning; growing our knowledge. All the knowledge in the world is worthless without proper application.

Another of the lines my kids have endured for years is "nothing beats experience." We must get our hands dirty putting our solutions into practice. We must surround ourselves with good people and know when to listen to the voices of experience. People won't care how much you know until they know how much you care. (Not sure who said that one, but I like it.)

In this newsletter and upcoming correspondence, you will see opportunities to join us at conferences across the US. You will also learn of some of the ways we are giving back to our communities. Next month I will share with you my derecho experience. Meanwhile, please stay in close contact with us and share your challenges and your successes. We would love to collaborate with you on solving problems and sharing knowledge, growing wisdom. Please know that we are cheering for you, and we are hopeful for your success.



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