

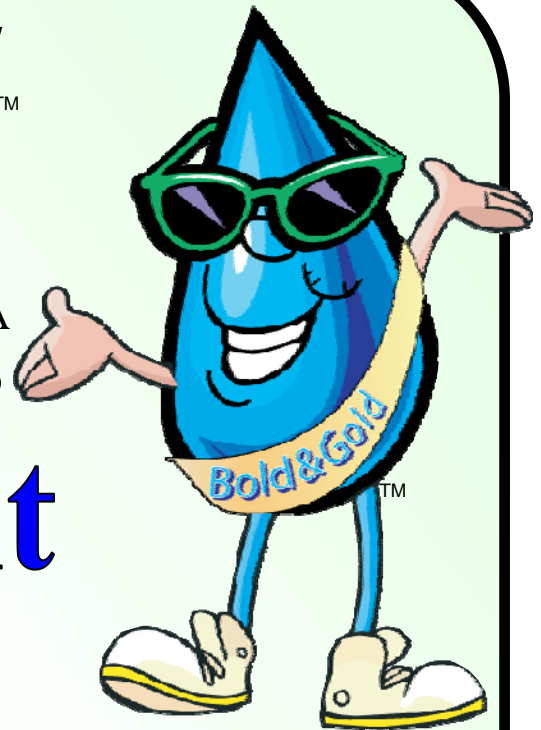
Bold and Gold™

Filtration Media

Developed By

UNIVERSITY OF CENTRAL FLORIDA

Stormwater Management ACADEMY

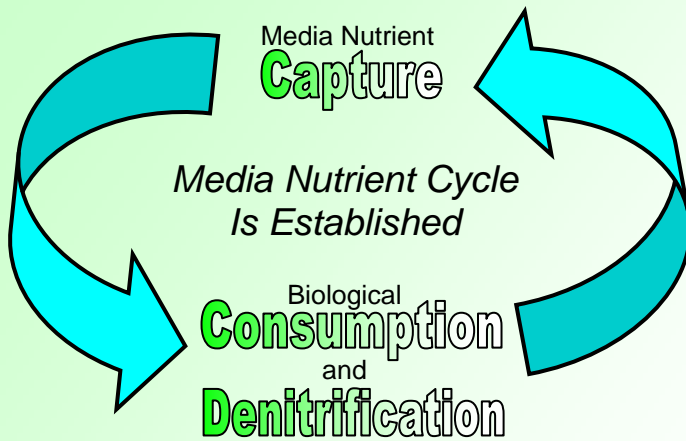


- **Removes Phosphorus** Up to 87% removal efficiency of total phosphorus.
- **Removes Nitrogen** Up to 47% removal efficiency of total nitrogen.
- **Reduces TSS** Up to 90% reduction in total suspended solids.
- **Lasts 20+ Years** Media does not wear out or become saturated.
- **Low Maintenance** Does not need to be replaced on a frequent basis.

Many of Suntree's stormwater treatment systems can be enhanced by incorporating the use of Bold and Gold™. High nitrogen and phosphorus concentrations in stormwater runoff have a harmful impact on ecosystems and human health. By incorporating Bold and Gold™ into a treatment train both solid and dissolved contaminants can be captured. **Recent EPA influence has made Nutrients the primary pollutants of concern.**



Meet Your Numeric Nutrient Criteria



Bold and Gold™ functions as a nutrient removal media by:

- Acting as a filter that prevents the passage of solids
- Sorbent surface bonding for the capture of dissolved pollutants
- Is conducive toward the development of biological activity that consumes nutrients and promotes denitrification.

Bold and Gold™ Case Study:

Where: Detention pond along Red Bug RD, Orlando, FL.

Sampled: 28 storm events and 7 base flow over 9 months.

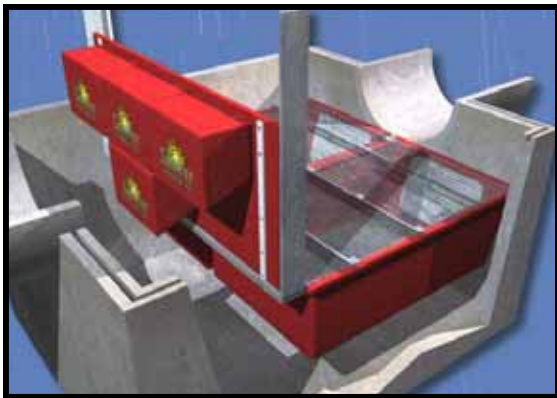
Description: The overflow from the detention pond was treated through an upflow filter with Bold and Gold™ media. The results reflect only the additional stormwater treatment provided by the upflow filter after the pretreatment of the detention pond.

Pollutant Reductions of Pond Water

- 35% Turbidity (NTU)
- 45% Ortho-Phosphorous (OP)
- 25% Total Phosphorous (TP)
- 17% Total Nitrogen (TN)
- 45% Total Suspended Solids (TSS)

How Bold and Gold™ is applied to different applications and site specific criteria can effect removal efficiencies. A Suntree representative is available to advise how best to apply Bold and Gold™.

SkimBoss™ Filtration System



Retrofits Are Easy

Almost any existing stormwater treatment system can be retrofitted with Bold and Gold™ media with the

SkimBoss™ filtration system because of the Hydro-Variant

Technology™ of the SkimBoss™ filtration system....

Even Spinner Systems.

