ScourStop®
THE GREEN SOLUTION TO RIPRAP

PERFORMANCE · AESTHETICS · NPDES-COMPLIANT · COST-EFFECTIVE
where is **SCOURSTOP USED?**

**EcoTrans** is the economy version of ScourStop. With similar geometry, EcoTrans has the same performance ratings as ScourStop and uses the same ScourStop earth anchors.

Made entirely with recycled material, EcoTrans transition mats are created with recycled post-consumer and post-industrial plastic.
elements of the transition mat system:
- Mechanical protection
- Reinforced soil covers
- Deep-anchoring soil stabilization

mechanical protection
Provides impact resistance, tensile strength, and permanent durability against high-erosive stresses.

soil covers
Soil is extremely erosive. Some type of best management practice (BMP) cover is required under ScourStop for effective results. Typically, a turf reinforcement mat (TRM), sod, or a combination of both provide maximum protection for every soil type and condition. Geotextiles may be used on non-vegetated projects.

deep anchoring
To withstand the shear forces of flowing water, transition mats must be anchored deep in the soil. ScourStop's innovative bullet anchors are integral to the mat's resistant strength and also help each mat conform to the native topography.

3 reasons ScourStop is a cost-effective alternative to hard armor:

1. Facilitates the use of soft armor vegetation solutions in areas typically reserved for hard armor.

2. NPDES minimum rule #5 requires MS4 inspection and maintenance of post-construction BMPs.
   ScourStop's vegetated, no-maintenance BMPs lower life-cycle costs.

3. Lightweight and portable, the ScourStop system does not require heavy construction equipment for installation.
FULLY VEGETATED
31 feet per second
16 pounds of shear

DAY ONE PERFORMANCE
19 feet per second
13 pounds of shear

Colorado State University
Hydraulics Laboratory

EXTREME TESTING, PROVEN RESULTS

Comparison of Test Data with FHWA-RD-88-181

<table>
<thead>
<tr>
<th>Product Type</th>
<th>ft./sec.</th>
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<tbody>
<tr>
<td>6&quot; Gabion</td>
<td>11.7</td>
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<tr>
<td>Soil Cement</td>
<td>14.7</td>
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<tr>
<td>TRM/Asphalt</td>
<td>15.1</td>
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<tr>
<td>ACB</td>
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<tr>
<td>Transition Mat</td>
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</tbody>
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Colorado State University Hydraulics Laboratory and Engineering Research Center: full-scale flume test to determine ScourStop performance ratings