The **ESI EcoVault** is a precast concrete stormwater treatment structure that removes:
- Sediments
- Nutrients
- Trash
- Metals
- Oil and Grease
- Organics

**Baffle Buddy Cassette Filter** contains patented modified alumino silicate, ESI MZ Filter medium, designed to absorb cations and anions such as:
- Phosphates
- Hydrocarbons
- Dissolved Heavy Metals
- PCB, BTX, PCE, THM
- Pentachlorophenol
- Creosote
- Non-ionic surfactants

EcoVault’s Baffle Buddy Cassette Filter media removal rates have been verified by independent laboratories.

Ask about improved dissolved oxygen levels in your storm water treatment system.

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**Phosphorus Absorptive media!**

**EcoVault**

Simple Solutions to Water Pollution

EcoSense International, Inc.

P.O. Box 540562
Merritt Island, Florida

Phone: 321-449-0324
Fax: 321-449-0325
operations@ecosenseint.com

ESI MZ Filter medium is superior to traditional clay materials because it is rigid and stable, even in aqueous conditions.
Technology is based on slowing the flow’s velocity to facilitate settling.

Baffles impede forward movement of settling particles.

Debris screens raise trash and leaves out of the water to greatly reduce decomposition.

<table>
<thead>
<tr>
<th>Model Size</th>
<th>Typical Pipe Size (ft x ft)</th>
<th>Flow Capacity (cfs)</th>
<th>80% TSS Removal Efficiency Flow (cfs)</th>
<th>Screen Storage Capacity (cf)</th>
<th>Sediment Chamber Capacity (cf)</th>
<th>Total Contaminant Capacity (cf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5x11</td>
<td>12 to 30</td>
<td>15</td>
<td></td>
<td>87</td>
<td>150</td>
<td>237</td>
</tr>
<tr>
<td>6x12</td>
<td>18 to 36</td>
<td>24</td>
<td></td>
<td>144</td>
<td>201</td>
<td>345</td>
</tr>
<tr>
<td>8x14</td>
<td>30 to 54</td>
<td>32</td>
<td></td>
<td>324</td>
<td>321</td>
<td>645</td>
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<tr>
<td>8x16</td>
<td>36 to 54</td>
<td>40</td>
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<td>360</td>
<td>369</td>
<td>729</td>
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<tr>
<td>10x16</td>
<td>42 to 66</td>
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<td></td>
<td>550</td>
<td>465</td>
<td>1015</td>
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<td>12x20</td>
<td>54 to 72</td>
<td>55</td>
<td></td>
<td>1008</td>
<td>945</td>
<td>1953</td>
</tr>
</tbody>
</table>

Servicing the EcoVault is easy with the accessible hatches and requires a vacuum truck.

Custom sizes are available to meet your specific application.