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<td>Useful where space is limited</td>
<td>B</td>
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<tr>
<td>Application or Goal</td>
<td>Techniques</td>
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<tr>
<td>--------------------------------------------------------</td>
<td>------------</td>
</tr>
<tr>
<td>Access/recreation friendly</td>
<td>B</td>
</tr>
<tr>
<td>Adds structural support</td>
<td>B</td>
</tr>
<tr>
<td>Adds tensile strength to the bank</td>
<td>B</td>
</tr>
<tr>
<td>Aides natural regeneration and colonization</td>
<td>B</td>
</tr>
<tr>
<td>Appropriate above and below OHWM/bankfull</td>
<td>B</td>
</tr>
<tr>
<td>Bisects flow</td>
<td>S</td>
</tr>
<tr>
<td>Controls Grade</td>
<td>S</td>
</tr>
<tr>
<td>Creates and preserves scour holes/bankfull</td>
<td>S</td>
</tr>
<tr>
<td>Deflects strong or high flows</td>
<td>S</td>
</tr>
<tr>
<td>Dewater slope</td>
<td>B</td>
</tr>
<tr>
<td>Enhances Fish Habitat</td>
<td>B</td>
</tr>
<tr>
<td>Establishes sods and grasses</td>
<td>B</td>
</tr>
<tr>
<td>Facilitates drainage on wet sites</td>
<td>B</td>
</tr>
<tr>
<td>Filter barrier to prevent erosion and scouring of bank</td>
<td>B</td>
</tr>
<tr>
<td>Flexible, can be molded to existing contours</td>
<td>B</td>
</tr>
<tr>
<td>Good for protecting bridges, piers and abutments</td>
<td>S</td>
</tr>
<tr>
<td>Good on lakes where water levels fluctuate</td>
<td>L</td>
</tr>
<tr>
<td>Grows stronger with age</td>
<td>B</td>
</tr>
<tr>
<td>Hand labor installation</td>
<td>B</td>
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<tr>
<td>Handles high velocity areas</td>
<td>S</td>
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<tr>
<td>Handles seepage within banks</td>
<td>B</td>
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<tr>
<td>Handles wave heights &gt; 2 feet</td>
<td>L</td>
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<tr>
<td>Immediate protective cover for the bank</td>
<td>B</td>
</tr>
<tr>
<td>Increases slope stability</td>
<td>B</td>
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<tr>
<td>Instant habitat improvement</td>
<td>B</td>
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<tr>
<td>Little site disturbance</td>
<td>B</td>
</tr>
<tr>
<td>Maintains a natural bank appearance</td>
<td>B</td>
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<tr>
<td>Manufactured in the field</td>
<td>B</td>
</tr>
<tr>
<td>Maximum site disturbance during construction</td>
<td>B</td>
</tr>
<tr>
<td>Protects banks from shallow slides</td>
<td>B</td>
</tr>
<tr>
<td>Provides aquatic habitat</td>
<td>B</td>
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<tr>
<td>Provides shade and overhang habitat benefits</td>
<td>B</td>
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Notes:

All techniques will require a "structural" measure in the toe zone as described in EFH Chapter 16.

Most practices require a permit from the Wisconsin Department of Natural Resources and other local agencies. Plan for the ability to get such permits when choosing a treatment option - some may be difficult to acquire (i.e. Ajacks, Bulkheads, Concrete Block, Rock Gabions, Stream Barbs, etc.).

DO NOT USE SOIL BIOENGINEERING ALONE ON STREAMS THAT ARE UNSTABLE FROM A GEOMORPHIC PERSPECTIVE (i.e. widening or downcutting).

DO NOT USE SOIL BIOENGINEERING ALONE ON LAKESHORES WHERE ICE DAMAGE IS A PROBLEM.