Cedar Tree Revetment Installation

Before

Sites chosen for cedar tree revetments show mild to moderate erosion. Bare soil and exposed roots are commonly visible.

After

Installed cedar tree revetments slow or stop erosion and work to trap sediment, which will begin to slowly rebuild the bank.

Materials needed:

- Cut red cedar trees
- Cable
- Horseshoe clamps
- Duckbill anchors
- Live willow stakes

In cooperation with:
Isanti Soil and Water Conservation District
**Installation process:**

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Step 2</th>
<th>Step 3</th>
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<tbody>
<tr>
<td><strong>Eastern red cedar trees from local suppliers are cut down.</strong> The number of trees for each site are determined based on the size of eroding bank.</td>
<td><strong>Cedar trees are loaded and hauled to revetment sites. One cedar tree covers an approximately 30 square foot section of bank.</strong></td>
<td><strong>Eastern red cedar trees are placed 1-3 rows high with the top of the trees facing downstream. The trees are overlapped, creating a ‘shingled’ effect.</strong></td>
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<th>Step 4</th>
<th>Step 5</th>
<th>Step 6</th>
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<tbody>
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<td><strong>Trees are cabled together end-to-end using horseshoe clamps. A duckbill anchor is included in each cable assembly.</strong></td>
<td><strong>Duckbill anchors are driven approximately 5 feet into the bank with a long rod, securing the trees in place.</strong></td>
<td><strong>Live willow stakes are planted to begin the process of establishing revegetation that will hold the bank long term. Other plantings may also be used.</strong></td>
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For more information or with questions contact: Leah Hall  
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Visit AnokaSWCD.org to find more information about installed revetment projects and to watch our revetment installation video.