

Shoreline Erosion Control Techniques 101

Part 3

2011 Wisconsin Lake Convention

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Talking Points

Techniques

Possibilities

Materials Discussion

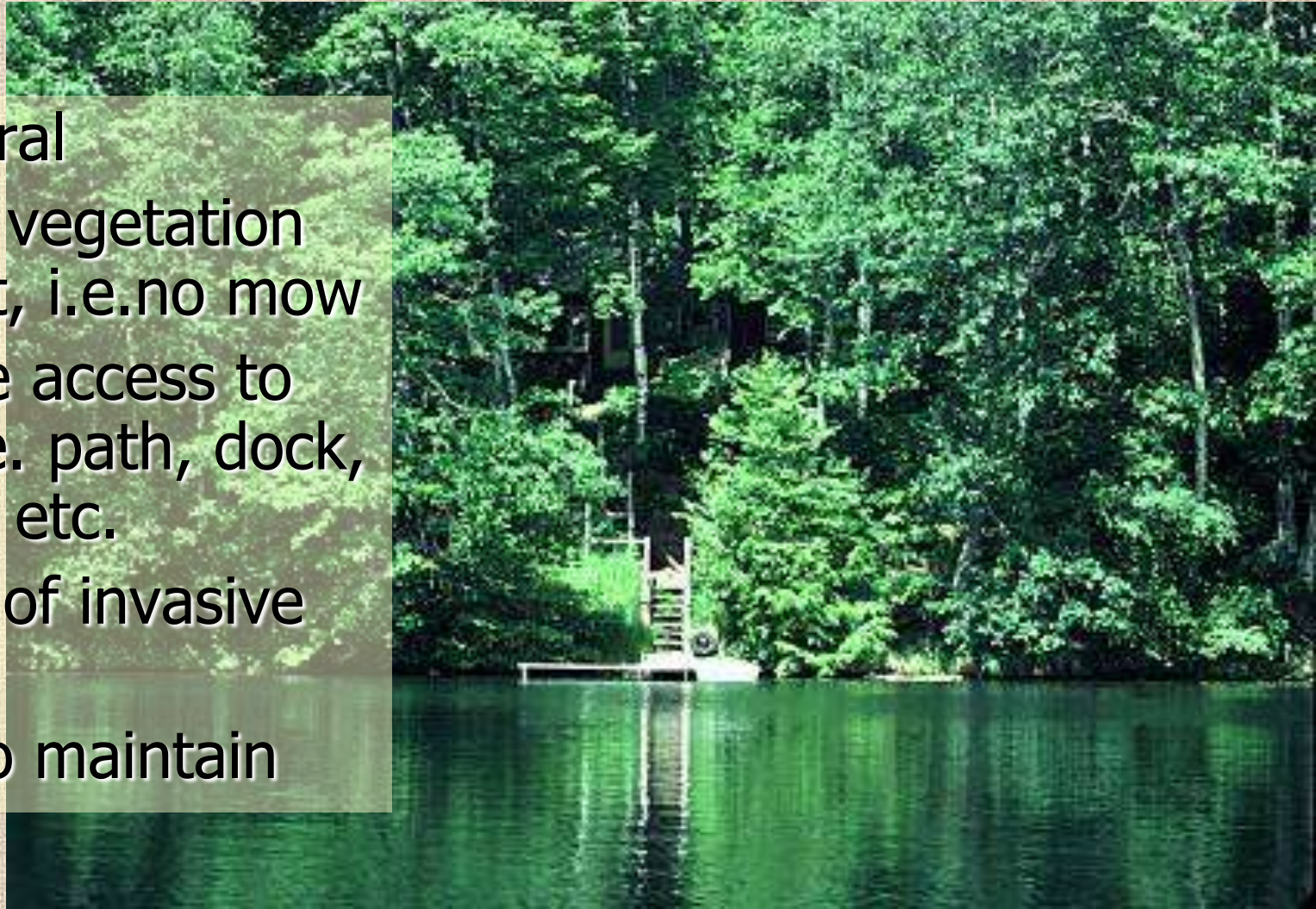
Project Examples - Before / After

Various Techniques or Combinations of Techniques

- Natural Shoreline
- Native Plantings
- Biolog w/ Plantings
- Branch Box Breakwater
- Brush Mattress
- Live Fascine
- Branch Packing
- Vegetated Geogrid
- Rock Riprap
- Rock Riprap w/ Live Stakes; "vegetated riprap"
- Demo/Experimental

Natural Shoreline

- Left natural
- Buffer of vegetation left intact, i.e. no mow
- May have access to water, i.e. path, dock, stairway, etc.
- Removal of invasive species
- Easiest to maintain



Techniques

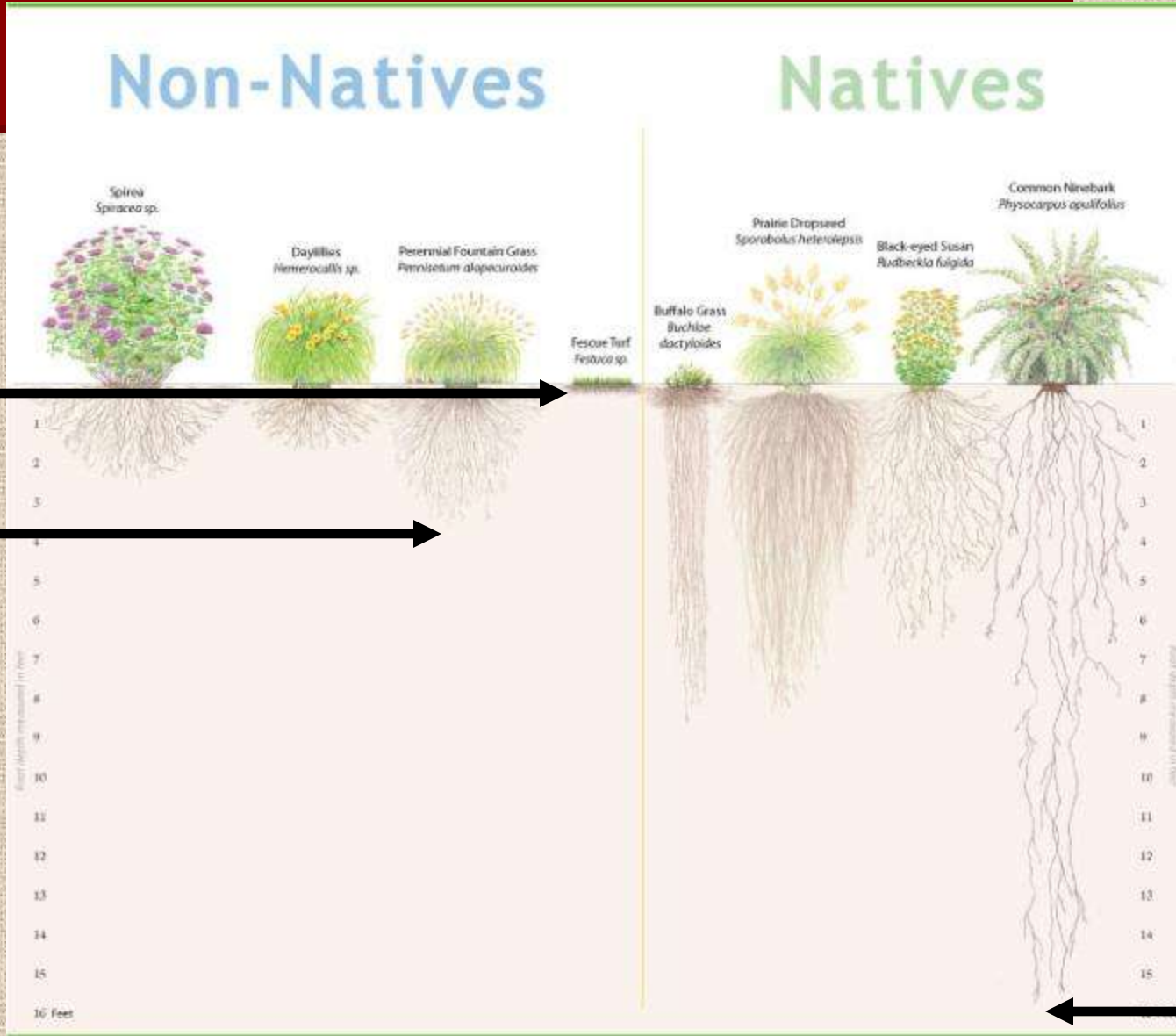
Vegetation Holds Soil

Non-Natives

Natives

Turf
Grass

4.0 Ft



16 Ft

Techniques

Shrubs & Trees



Techniques

Biolog



3 YEAR OLD BIOLOG

Techniques

Brush Mattress



Techniques

Live Fascine



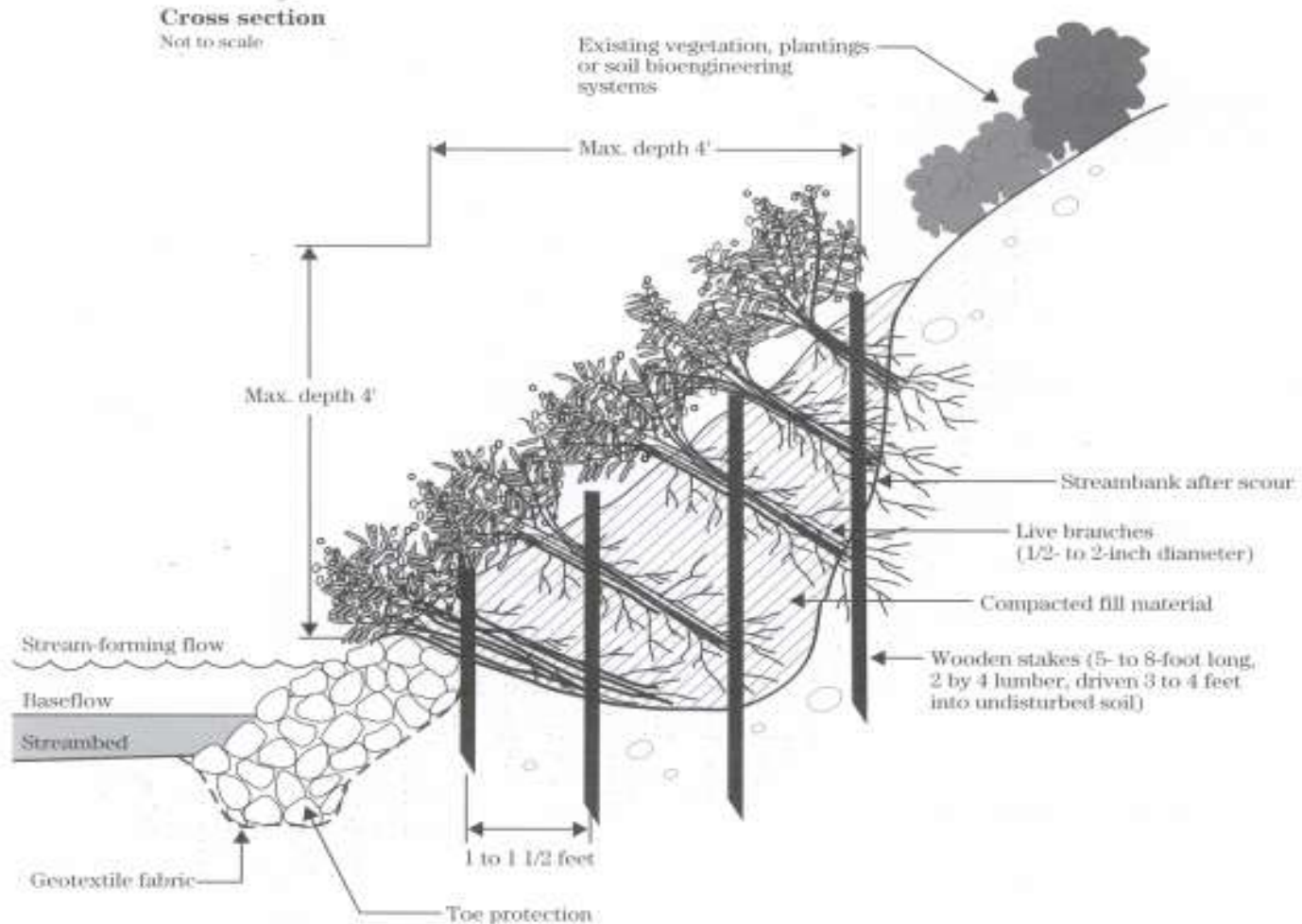
Techniques

Branchbox Breakwater



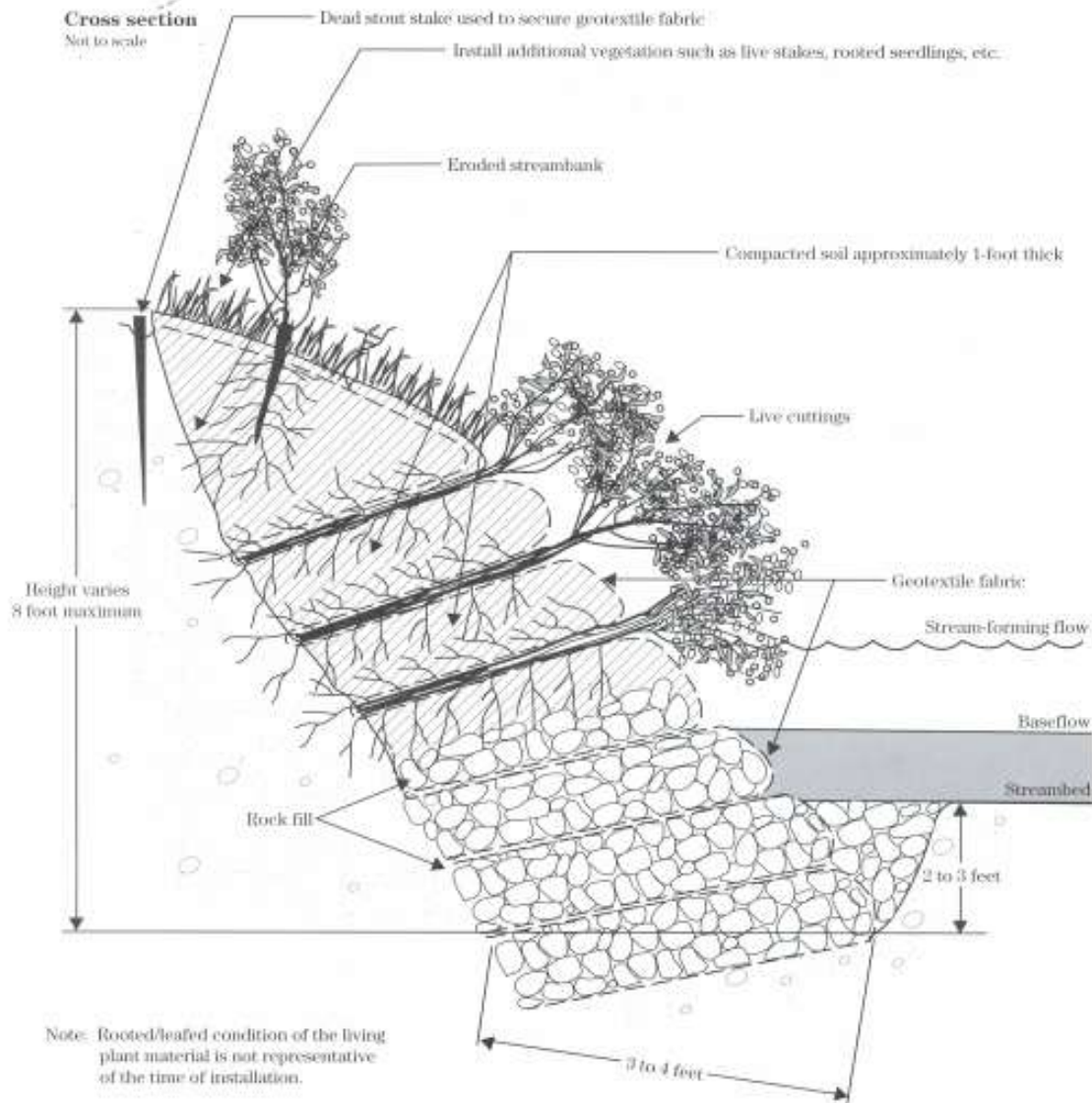
Branch Packing

Figure 16-10 Branchpacking details

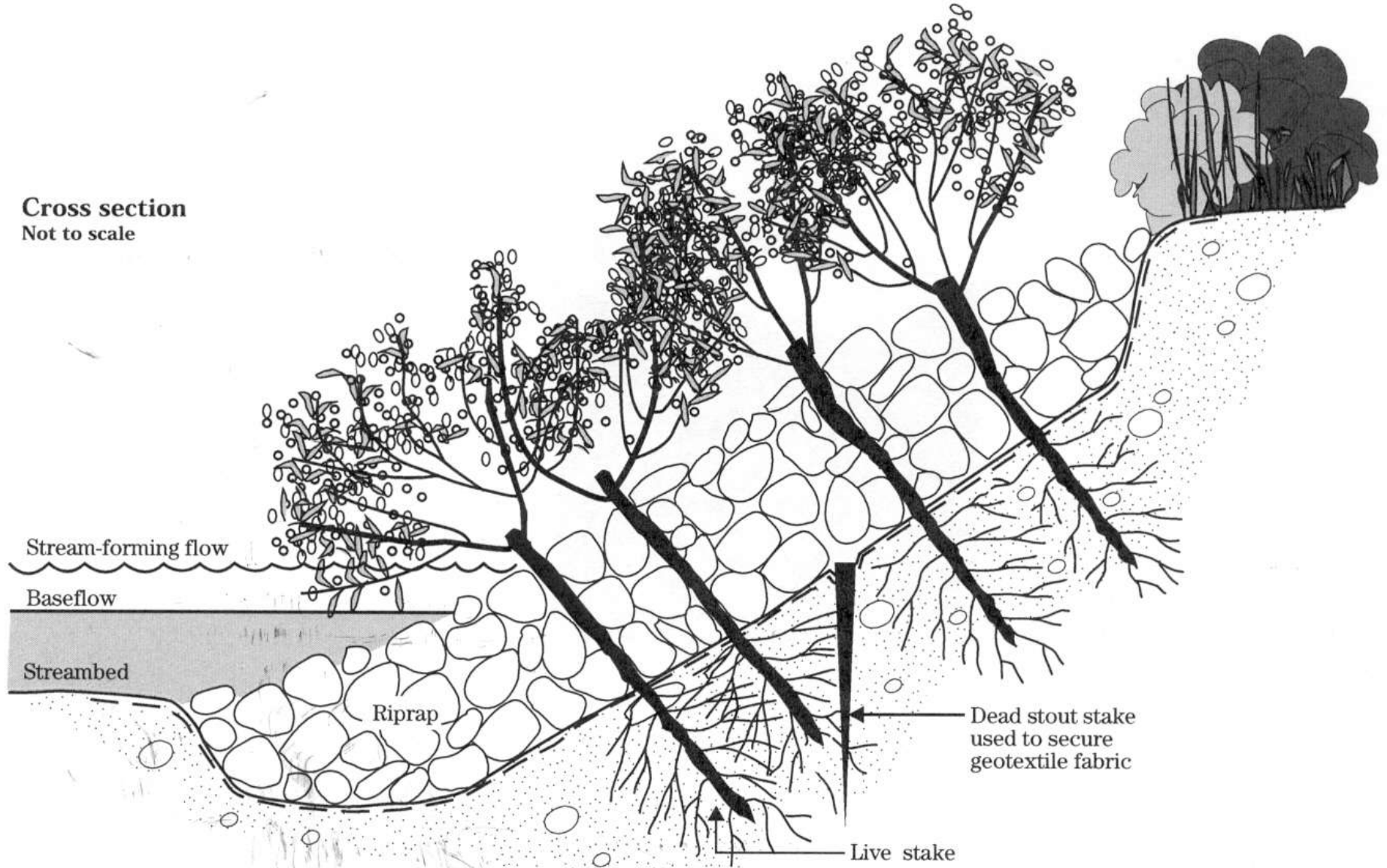


Vegetated Geogrid

Figure 16-12 Vegetated geogrid details



Vegetated Riprap



Project Examples Before / After

AMNICON LAKE

BEFORE



AFTER



BEFORE



Seawall Re

Rock Riprap
AFTER



BEFORE



AFTER











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Not Advised!

