

Hand Placed Woody Structures Tips

- Get the wood stuck in the headwater streams, upstream from bigger streams
- This is a debris-trapping practice and will pond water
- Must prevent floating
 - The more wood you have in a channel the less mobile it is
 - Mobility decreases with more frequent log jams
 - Get more wood in the stream versus staking
 - Anchor behind live trees
 - Weave brush in
 - Install as channel-spanning jams- long pieces, large diameters, with branches
 - Wedge into channel
- Key pieces serve as anchors
 - Length $> 0.5 \times$ bankfull width; $1.5 \times$ BF is much better
 - Diameter $> 0.5 \times$ bankfull depth
 - Diameter not as important as length- want to be able to carry them
 - Think long and skinny
- Spacing
 - Every vertical foot- as rough guidance
 - Find locations where you can anchor them
 - The more frequent, the better
 - Use where grade-control is needed
 - Use at base of eroding banks to deflect flow (to thalweg-center of channel- not opposite bank)
- Style
 - Messy, fill up space, weave in branches, mimic naturally occurring wood
 - V shape: V pointing upstream, long pieces, cross channel
 - Zig Zag: cross-channel
- Permitting
 - Not needed if you aren't using equipment in the stream
- Revegetation
 - Plant live stakes on streambanks to hold in place and stabilize channel