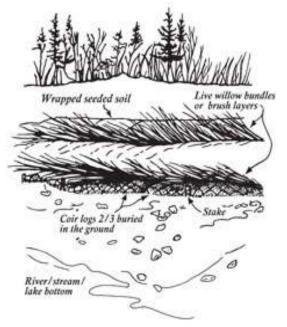
INSTALLATION OF COIR LOGS



Applications for coir logs occur in many streambank, wetland and upland environments. The log provides temporary physical protection to a site while vegetation becomes established and biological protection takes over. The logs can provide a substrate for plant growth once the log decay process starts and protects native and newly installed plants growing adjacent to the log. This technique can be used as a transition from one revegetation technique to another and used to secure the toe of a slope in low velocity areas. Both the upstream and downstream ends of the coir log(s) need to transition smoothly into a stable streambank to reduce the potential for wash out.

Install the logs to ensure contact with soil along the entire length. In most cases, excavate a shallow trench to bury the log 2/3 into the soil. At no time should the coir log span any open space that may occur between rocks, logs or uneven ground. Tie logs together that have been placed end-to-end and staked into place every foot (dependant on site conditions) on both sides. Wooden stakes or live stakes with biodegradable twine may be used to securely anchor these logs by interweaving supports and driving them into the bank. To provide fish habitat, use coir logs in conjunction with spruce tree revetment (see next section) and/or revegetation techniques.

Advantages:

- Requires minimal training
- Biodegradable toe-of-slope protection
- Easy installation



During installation with coir log toe protection, Eagle River

Disadvantages:

- Moderately expensive
- Least effective toe protection of techniques listed in this manual if used by itself

Not recommended for high velocity areas

