

Coir Log

An environmentally friendly alternative to hay bales and expensive Ripraps or cement stabilization techniques, **BioTek™** Coir Logs are ideal for constructing check structures, managing changes in stream flow velocity, shaping channels and stabilising shorelines. They are also being increasingly used to arrest scouring and soil loss on slopes and in gullies. The coir fibre filling in the log will absorb and hold moisture for tree and plant growth, and the tough, twisted rope outer sheath will withstand hydraulic forces of surface cross flows, and trap sediment. **BioTek™** Coir Logs are 100% bio-degradable and last up to four years.

The **BioTek™** Coir Log is a roll of organic coir fibre enclosed in a robust coir mesh.

BioTek™ Coir Logs provide erosion and wave control structures in riparian zones and sediment capture in drainage lines and swales. **BioTek™** Coir Logs provide protection while vegetation establishes and takes over the long-term stabilisation.



SPECIFICATIONS

NAME	BioTek™ Coir Log
Material	Coir fibres and twine mesh
Life Expectancy	Up to 3 years (depending on environmental conditions)

LOG LENGTH	DIMENSIONS	WEIGHT PER LOG	LIFE EXPECTANCY
1.5 m	Round 30 cm x 30 cm	15 kgs	24 months
3.0 m	Round 30 cm x 30 cm	30 kgs	24 months
3.0 m	Round 20 cm x 20 cm	20 kgs	24 months

APPLICATIONS

- ☑ Riverbanks and toe protection
- ☑ Coastal wave erosion
- ☑ Wetland erosion
- ☑ Swale drains
- ☑ Steep
- ☑ Coastal wave erosion
- ☑ Wetland erosion
- ☑ Swale drains

BENEFITS

- ☑ **SILT RETENTION**
BioTek™ Coir Logs can be placed in swale drains, around grates, on steep slopes to collect silt and used to slow water velocity, reducing erosion.
- ☑ **RIVERBANK PROTECTION**
BioTek™ Coir Logs can be used in river channels, streams and creeks to help stabilise bank toes and provide structure to benching techniques. **BioTek™** Coir Logs can be stacked one on top of another to form a wall structure while vegetation establishes for long-term stabilisation.
- ☑ **STABILISE STEEP BATTERS**
BioTek™ Coir Logs placed across a steep batter will greatly slow the water velocity and reduce sediment movement down the slope.
- ☑ **BIODEGRADABLE COIR**
BioTek™ Coir Logs are made from 100% biodegradable and organic materials. Coir is the fibre obtained from the husks of coconuts.
- ☑ **COST-EFFECTIVE**
Where appropriate, the **BioTek™** Coir Logs is an inexpensive alternative to the use of rock armouring.



Securing **BioTek™** Coir Logs

• Hardwood Stake 3-5 hardwood stakes per 3 metre length