

## **Wetland restoration**

"Wetlands" is the collective term for marshes, swamps, bogs and similar areas that often develop between open water and dry land. Until recently, wetlands were considered as dangerous, mosquito-infested wastelands. Due to the negative view, more than half of the world's original wetlands have been destroyed. Scientists have discovered the wetlands are, in fact, valuable natural resources that provide important benefits to humans as well as to our ecosystem. With increased understanding of ecological processes, the public attitude towards wetlands have been changes. Quality wetlands provide balanced, productive ecosystem.

### **Advantages of wetlands**

- Provide wildlife habitats
- Improve water quality
- Reduce flood and storm damage
- Control shoreline erosion
- Maintain water supply
- Provide timber
- A place recreational activity
- They are Natural Wonderlands!

Increased construction activities have threaten most of the wetlands with sediment pollution. One hundred percent biodegradable GeoNatural™ products made of coconut fiber (coir fiber) should be using to restore the destroyed wetlands. BioD-Pillow, coir pillows can be vegetated in nurseries to create quick wetlands.



Restoring eroded wetland with vegetated coir pillows.



Coir weed mat are protecting young trees in a wetland area

RoLanka offers the following GeoNatural™ products for wetland restoration

BioD-Pillow – coir pillow

BioD-Liner – needle-punched coir liner

BioD-Mat 40 – Woven bristle coir mat with a unit weight of 460 g/m<sup>2</sup> .

BioD-Weedmat – coir weedmat