EROmasta™ Seed Mat
Hunter River Flood Mitigation Project, Hinton NSW
**PROJECT**

The Hunter Valley Flood Management Scheme is designed to lessen the effects of flooding on both rural and urban areas, reducing flood damage by modifying flood behaviour. There are more than 2,000 individual assets maintained along the rivers and floodplains of the Hunter Valley.

Bolte Civil were contracted by the Office of Environment and Heritage to remediate sites at Hinton, Phoenix Park and Woodville, which required a series of erosion and sediment controls. These included booms and curtains, tidal river flow management, as well as the placement of 8,100 square metres of geotextile both underwater and over batters.

The contract included a requirement for a product that could assist revegetation, and EROmasta Seed Mat was specified to provide the necessary substrate.

**SOLUTION**

The engineers chose EROmasta Seed Mat to provide lasting defence against erosion. This GEOmasta product is a loosely woven polyethylene netting that allows grass and root systems to take hold, providing a permanent erosion protection solution.

Three riverbank sites varying in length from 120m to 220m long were restored using EROmasta Seed Mat. This created an immediate and long-term defence against natural erosion due to wind, rain and flooding.

Topsoil and seed are applied on top of EROmasta Seed Mat to fill the cavities and allow grass to grow through the mat. Once the turf or vegetation is established, the root systems are permanently reinforced. This product is ideal for erosion control on soil slopes or near waterways.

EROmasta Seed Mat is a synthetic turf reinforcement engineered to provide an environment that encourages rapid vegetative root development. It is a three dimensional mat manufactured from polyethylene. Constructed using a base of high tensile layers of net bonded to upper layers, it forms a textured, cuspated surface. This is perfectly designed to trap soil particles and seeds.