VETIVER SYSTEM FOR MINE AND QUARRY REHABILITATION



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Steep slope stabilisation

Mine Tailings dam walls. BAUXITE MINE

Wall repaired, ready for vetiver planting



Three months after planting



A well protected batter 9 months after planting



Steep Slope Stabilisation

Coal mine

This coal mine waste rock dump remains bare after 40 years



Ten months after planting





Ten months after planting

One year after planting, the horizontal rows planted to reduce runoff velocity and to catch eroded sediment



Mine Tailings Rehabilitation

Bentonite mine

Tailings and overburden

This Bentonite waste site is barren with an extremely erodible surface which has low water infiltration and high runoff rates.



Two months after planting, good establishment and growth



Fourteen months after planting, note the growth of other species



Fourteen months after planting, the hedge is now a very effective filter, note the growth of other plants on the trapped sediment



Mine Tailings Rehabilitation

 Tailings from a large gold mine in northern Queensland

The finely ground tailings produce dust storm in the dry season



Vetiver hedges provided a low cost and permanent wind barrier unaffected by strong winds





Vetiver hedges provided excellent protection for crop establishment

