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.