This 200 km railway in eastern Madagascar was devastated by cyclones due to lack of maintenance and cultivation in the right of way. A plan linking the railway, farmers and vetiver was put in place, with a result that the railroad is now stable, operates without slope failure, and the farmers have better incomes.
The China Vetiver Network and the China Railways worked together to stabilize this very sandy and unstable fill embankment. Bottom left - three years after planting. Stable railroad track.
VETIVER SYSTEM - RAILROAD PROTECTION AND STABILIZATION

Australia, Queensland. Railroad tunnel entrance, drain underpass and railway batter cut all stabilized with vetiver grass hedgerows at 1/20 of the cost of standard practices.
Australia – Vetiver treatment of railroad batter

Before

After
25,000 Vetiver were planted in August 2013, total 2,500m in length, with a spacing of 0.60m between the rows.

MADAGASCAR:
Railway between Tananarive and Tamatave (Yoann Coppin)