

The Vetiver Grass used in stabilization of slope

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Abstract:

The implementation of the residential development Riviera de São Lourenço , a complex touristic development comprising 11.000 residential units in the northern coast of the State of São Paulo, in the town of Bertioga , a deforestation of the natural Jundu vegetation was carried out .After the construction of the condominium and the landscaping were finished, some coastal erosion occurred by sea waves hitting the local vegetation which could not hold up these natural phenomenon on the rough sea.

To restore part of the eroded slopes the environment department authorized only the use of organic materials. The Project of the coastal restoration has used bioengineering techniques, that applied the hedgerow of vetiver grass, sediment bales and antierosive biomat to solve the erosion established.

Keywords: Jundu,Coastal Erosion, Vetiver,Slope Stabilization