

CASE STUDY

CHICAMA BEACH IN PUERTO MALABRIGO TRUJILLO, PERU

EROSION CONTROL



Propex[®]
GEOSOLUTIONS



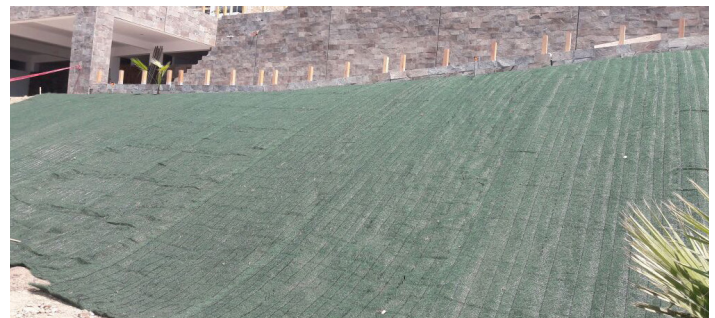
PROJECT SUMMARY

The popular beach of Chicama in Puerto Malabrigo is well known for its winds and waves, as well perfect for surfing. However, those strong winds combined with seasonal rains were causing erosion to the slopes adjacent to the new pier. With the beach being in danger of losing the pier, a solution needed to be found to stabilize the slopes. LANDLOK[®] Turf Reinforcement Mats (TRMs) was chosen to provide long-term erosion protection. LANDLOK TRM features X3[®] Fiber Technology which contains unique trilobal cross sections to capture water, soil and seed for enhanced vegetation. LANDLOK 450 was installed and seeded along the slopes for erosion protection. Vegetation was established quickly and with the slopes being protected, the pier was no longer in danger.



PROBLEM

Erosion on the slopes threatened the adjacent pier



SOLUTION

LANDLOK[®] TRM prevents further erosion



INSTALLATION

LANDLOK was installed and seeded along the slopes



PERFORMANCE

Vegetation grew in quickly and the slopes were protected

FEATURES & BENEFITS

- Patented X3[®] Fiber Technology features unique trilobal cross section to capture water, soil and seed for enhanced vegetation
- Made with all stabilized components to improve overall performance
- Ease of installation reduces time and labor costs
- More environmentally-friendly solution compared to rock riprap and shotcrete
- Demonstrates robust UV resistance for up to 10 years design life
- Overall costs savings compared to traditional hard armoring solutions



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