

CASE STUDY

SMITH RESIDENTIAL PROPERTY CHATTANOOGA, TN

LAKE SHORELINE STABILIZATION



PROJECT SUMMARY

The Smith Residence was losing around 12" annually of valuable lakeside property due to fluctuation in water levels and shoreline erosion. The customer wanted a solution that would regain shoreline, enhance the aesthetics of their property, and create an area that was safe for walking. Traditional riprap lining and gabion baskets did not meet this criteria. ARMORMAX® Engineered Earth Armoring Solution was the perfect alternative to protect banks from wind-generated wave erosion, while providing a vegetated solution for stabilization. The material was installed quickly, and allowed for minimal disturbance of the residence. At the one year inspection, the slopes had no visible erosion and vegetation was at 95-100%. Additionally, ARMORMAX can withstand non-hydraulic stresses such as mowing and maintenance equipment, allowing the home owner easy upkeep of the area.



PROBLEM Loss of property due to shoreline erosion



SOLUTION ARMORMAX® was used to protect banks from wave induced erosion



INSTALLATION Rapidly deployed system for immediate protection



PERFORMANCE Fully vegetated solution with no visible erosion

FEATURES & BENEFITS

- UV stabilized for 75-year design life
- Engineered solution for shoreline protection
- Aesthetic, vegetated alternative to riprap
- Ease of installation reduces time and labor costs
- More cost-effective than traditional solutions
- Proven technology, sustainable results
- Withstands both hydraulic and non-hydraulic stresses



VISIT OUR WEBSITE FOR MORE INFORMATION, PRODUCT SAMPLES OR OTHER INQUIRIES OR CALL CUSTOMER SERVICE AT 1.800.621.1273



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