

## ABSTRACT

Economic and Technical Analysis of Alternatives for the  
Long-Term Solution of a Critical Coastal Erosion  
Problem in Point Fortin, South Trinidad

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At present, Trinmar Limited, an offshore oil recovery company which operates out of the Borough of Point Fortin, is faced with a serious threat to their production system.

The coastal erosion process which occurs on the south west coast of Trinidad, has propagated a landslide which has undermined some of the supports to the main trunk gathering pipelines.

Trinmar's 34,000 bopd production will be interrupted for an indefinite period if the pipelines are broken or fractured in any way.

This worse case scenario must not be allowed to occur, and consequently, a proposal for the effective removal of this threat is required.

This report generated and considered several alternative solutions to the problem and has recommended a beach revetment which offers coastal protection and a system of cantilevered overhead supports for the pipelines at the cliff top at a total estimated project cost of \$2,340,000.