

## The influence of swash infiltration on maximum wave run-up

This study investigates to what extent swash infiltration influences maximum wave run-up limits. It is a relatively new area of study where field experiments are concerned and aims at improving the predictive capabilities of existing wave run-up formulae. This research also looks at various techniques available to observe wave run-up and how they may be applicable to different project requirements.

Currently, this study is in its' data collection phase. Using traditional surveying techniques and a double ring infiltrometer, run-up limits and infiltration rates were measured at two beaches along the east coast of Trinidad; Mayaro and Cocos bay. It is expected that further data collection will take place at Balandra Beach, Grande Riviere Bay, and Las Cuevas Bay. In addition, wave run-up is expected to be observed via video monitoring and pressure transducer techniques.





