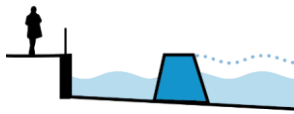


# Measures Explorer

## FLOOD MEASURES:

### Physical Infrastructure



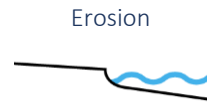
Breakwaters

#### DESCRIPTION:

Breakwaters are structures constructed in off shore locations to protect shorelines from strong waves by reducing wave energy. These measures can be fixed or floating and constructed of a number of different materials and methods, from sheet piles to rubble mounds.

|  |                                |   |
|--|--------------------------------|---|
| <b>SHORELINE LOCATION:</b>   | <b>DESIGN LIFE:</b><br>Varies  | <b>IMPACT ON THE WATERFRONT:</b><br>Living with Water |
|  In Water | <b>ADAPTABILITY:</b><br>Varies | <b>CONSTRUCTION COST:</b><br>TBD                      |

#### COASTAL FLOOD IMPACTS MITIGATED:



#### Types of Breakwaters:



Floating Wave Attenuator



Wave Barrier



Artificial Reef