KAYTECH
ENGINEERED FABRICS

FILTRATION & SEPARATION
SALISBURY ISLAND RIP RAP

CASE STUDY

PROJECT:	Salisbury Island Naval Base – Durban		
CLIENT:	South African Defence Force	**DATE:**	Oct 1997–Feb 1998
CONSULTANT:	GIBB Africa.	**QUANTITY:**	3 200m^2
CONTRACTOR:	W.K. Construction	**PRODUCT:**	**Kaymat U44**

The existing concrete covered banks surrounding the base had started cracking and deteriorating from the constant wave action and scour due to tidal flow. The damaged areas were broken up and removed, a **Kaymat U44** was placed on the slope, and a Gabion Basket was then installed on top of the fabric. Incorporation of the **Kaymat** separation layer between the rockfill and the soil allows unrestricted movement of water, while retaining the fine soil particles. This is particularly important in tidal zones where high pore water pressures occur due to rapid drawdown. Gabions / Mattresses not underlain with **Kaymat** will soon settle and collapse due to scouring of the soil.

This photo clearly shows the gabion toe wall and the rip rap covering the **Kaymat U44**.

This type of construction is ideal for labour-based contracts.