



environmental
engineering

EARTH RETENTION

CASE STUDY

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BRIDGE ABUTMENT PROTECTION

Installation of Gabions and Rock Mattresses
Melelee Creek, Daintree, FNQ

CLIENT: Kenmac Constructions

DATE: 2010

PRODUCTS: Gabions, NW Geotextile
170mm Rock Mattress

PROJECT OUTLINE:

Working under instruction of the contractor replacing an existing timber bridge, gabion abutments and rock mattress scour protection was required as the design treatment.

Limitations included proximity to the existing bridge, poor foundation material, poor weather and restricted access.

Construction methodology included the use of mini excavators and track machines to deliver materials to the work zone and remove excess spoil from excavation.

Local access is now ensured in monsoon conditions during the wet season in remote Far North Queensland

