



environmental  
engineering

## Soil Anchors

# FACTSHEET

**CAIRNS OFFICE**

T: 07 4045 4388  
F: 07 4045 4399

**MAILING ADDRESS**

PO Box 404, Bungalow, QLD 4870

**CAIRNS OFFICE**

25 Supply Road, Bentley Park, QLD 4869

info@thegroundworkgroup.com.au  
www.thegroundworkgroup.com.au

**TOWNSVILLE OFFICE**

T: 07 4751 5800  
F: 07 4751 5811

## SOIL ANCHORS

LUCINDA BEACH, NTH QLD

Installed by Groundwork Services

**CLIENT**

Hinchinbrook Shire Council

**DATE**

November 2003

**CONTRACTOR**

Groundwork Services

**PRODUCTS**

Earth Anchors  
SO2, SO4, SO6, SO8 & BT4

**PROJECT OUTLINE**

Provide anchorage for nets that protect swimmers from jellyfish, "stingers" normally present in waters in Tropical North Qld. This beach had concrete filled tyres located at appropriate positions to prevent the protective netting moving. Unfortunately at times, heavy seas and strong currents often moved the bottom of the netting so that it did not meet the sea bed. This left swimmers open to potentially serious stings the box jellyfish. The tyres filled with concrete were dug into the sand and connected to the netting – these were also moved by the tide. Project involved a feasibility test that demonstrated tying the nets down with Platipus anchors.

Groundwork Services crew showing Council workers how to install the anchors to netting. The anchor connected to the bottom of the netting, note that a "D"-shackle has been used to connect the hard eye of the anchor tendon to a link in the chain at the bottom of the netting. Anchor tail with hard eye ready for connection to the netting after the anchor has been driven and load locked. Driving the anchor with a sledge hammer.

Groundwork Services staff advised that the combined effort of three Council workers could not budge an S06EA anchor driven 800mm into the ground.

