



## Emergency Landslip Repairs at Wategos Beach

### CIVIL WORKS

REF No. E/RW-1094N

**Client:** Byron Shire Council  
**Location:** Brownell Drive, Byron Bay NSW  
**Project:** 29 Brownell Drive Land Slip Stabilisation

A residential road to Wategos Beach in Byron Bay had to be closed after heavy rainfall caused major erosion problems, affecting both residents and tourists.

After tendering for the project of design and construction of a soil nail and shotcrete retaining wall, EarthTEC was approved by Byron Shire Council to complete the emergency works to repair the landslip.

Given the urgent nature of the works EarthTEC had to effectively procure materials and equipment to ensure an immediate response. EarthTEC rose to the challenge and within 48 hours was on site ready to commence work.

The scope of works extended along a 6m high x 55m long batter and included the trimming of the

existing batter with a 25t excavator to remove loose materials, as well as the installation of 125 3m soil nails, Maccaferri strip drains, batter drains and application of mesh-reinforced shotcrete.

### The works presented a challenge to co-ordinate materials and equipment over only one day

Because of the project urgency EarthTEC proposed a fibre-reinforced alternative to the traditional mesh reinforcement. This reduced the shotcrete program by 50%, whilst providing equivalent strength and toughness characteristics, meaning that the road could be opened to traffic sooner.

EarthTEC also had to work meticulously to protect a brand new retaining wall and multi-million dollar home above the works.

Due to the success of the project and EarthTEC's immediate response to the Council's requirements, EarthTEC are in further talks with Byron Shire Council to assist with emergency works.

Please contact our Sydney head office to meet with an EarthTEC representative in your state to discuss your project:

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