

Project: **Tallebudgera and Currumbin Creeks Dredging**

Principal:
Gold Coast City Council

Location:
Tallebudgera & Currumbin

Contract Value:
\$1,800,000

Completion Date:
2013



Neumann Contractors have again been engaged by the Gold Coast City Council to undertake the annual dredging programme for Tallebudgera and Currumbin Creeks for 2012/13. This is part of an ongoing dredging campaign undertaken by the Council to optimise flood mitigation measures and tidal interchange within the creek systems. Neumann's have been winning the 2 year contracts by tender and have successfully completed the annual dredging campaigns for 14 years.

The material is dredged from the creeks and pumped up to 1.8 kms onto the beaches of Palm Beach and Burleigh Heads for beach nourishment purposes.

Both Tallebudgera and Currumbin creeks are very visible and busy sites which are open to the public at all times. The works require pedestrian access points, temporary road closures whilst laying the dredge pipeline and maintaining user access while discharging the dredged material onto the beach.

Scope of Work

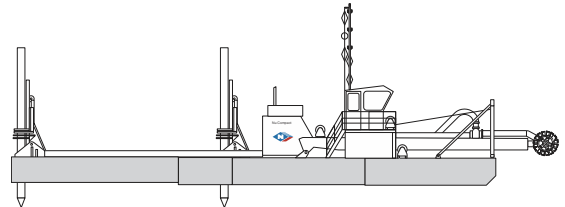
- Mobilisation to site at Tallebudgera Creek 1 x 250mm dredge, 1 booster pump, 1.8 km's 250mm poly pipeline. The pipeline is mobilised around the Gold Coast highway on Burleigh Hill. Up to 70,000 cubic metres of sand is be pumped onto Burleigh Beach depending on Council direction at the time.
- Mobilisation to site at Currumbin Creek 1 x 300mm dredge, 1 booster pump and up 1.8 km's of pipeline. The sand is distributed along the southern part of Palm Beach at the direction of council.

Challenges

- Strict environmental limitations on noise and turbidity.
- Maintaining suitable access for the public at all times and working on very busy beaches which must have public access open at all time.
- Mobilising and demobilising the dredge pipeline on Queensland Main Roads 4 lane highway at Burleigh Hill.



Dredge **Nu-Compact – Cutter Suction Dredge**
 Length **26.8 m** Gross Weight **75 tonnes**
 Pipe Dia. **300 mm** Digging Depth **2.0 – 8.0m**



Dredge **Nu-Enterprise – Cutter Suction Dredge**
 Length **18 m** Gross Weight **32 tonnes**
 Pipe Dia. **250 mm** Digging Depth **1.2 – 6.0m**

