



## Tallebudgera Creek Annual Dredging Program

Principal: Gold Coast City Council

Location: Tallebudgera Creek, Gold Coast

### Tallebudgera Creek Dredging & Burleigh Beach Nourishment

The Gold Coast Council has once again engaged Neumann Contractors to undertake the dredging of Tallebudgera Creek for 2017. These works are part of a 4-6 year contract with the Gold Coast City Council for dredging, and beach nourishment works at Tallebudgera and Currumbin creeks.

Neumann Contractors have undertaken the dredging works in Tallebudgera Creek for many years now. The works are an integral part of the Gold Coast City Council's program to maintain and replenish the sand on Gold Coast beaches. This year over 26,000 m3 of clean sand was dredged from the Tallebudgera Creek to replenish the sand on Burleigh Beach. The sand is pumped overland and released in the southern end of Burleigh Beach, near the Burleigh Beach Pavilion and spread up to 350m northwards.

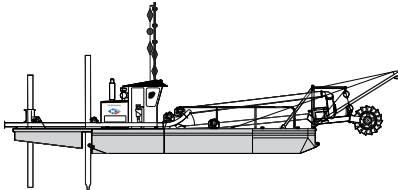
The Nu Enterprise, a 250mm Cutter Suction Dredge, a land-based booster pump and up to 1.8km of pipeline were used to complete the works.

### Scope of Work

- Mobilisation to site at Tallebudgera Creek the Nu Enterprise, a 250mm cutter suction dredge, one booster pump, 1.8 km's 250mm poly pipeline. The pipeline is mobilised around the Gold Coast highway on Burleigh Hill.
- Dredging of over 26,000m3 of sand from Tallebudgera Creek.
- Pumping the sand through 1.8km of pipeline to Burleigh Beach.
- Beach nourishment works along approximately 250m stretch of Burleigh Beach.

### Challenges

- Strict environmental limitations on noise and turbidity.
- Maintaining suitable access for the public at all times and working on bustling beaches which must have public access open at all times.
- Mobilising and demobilising the dredge pipeline on the main road four-lane highway at Burleigh Hill.



Nu Enterprise Cutter Suction Dredge

Length:.....	12.0m (18.0m LOA)
Nominal Production Rate:.....	125m3/hr
Total Power/Power at Pump: .....	216/172kw (290/230 hp)
Pipeline Diameter:.....	250 mm
Maximum Digging Depth:.....	7.5 metres
Gross Weight: .....	32 Tonnes