



# DREDGING

## BHP BILLITON - BMC

**PROJECT:** South Walker Creek - Dredging project

**SCOPE:** We Mobilised our larger rose bud cutter suction dredge, an in line boost pump and pipe work. Tasked with removing 75,000.00m<sup>3</sup> of coal fines and silts. Removal of the fines was to provide additional water storage capacity in the dam.

**CHALLENGES:** From the beginning we were aware there was a site data communications cable located in the dam, it was however unclear to actual location. partly washed our temporary structure away it was rebuilt and more substantial. We reduced our dredging footprint, to allow a safe margin of the suspected location of the cable. As a result of this we can thankfully say the cable is intact.

**ACHIEVEMENTS:** In February 2012 the Rose Bud Cutter Suction Dredge removed 100,000 m<sup>3</sup> of coal fines and clays, dredging a triangular 260 x 295 x 330 x 3m depth return water dam with a specific gravity of material at 1.3 – 1.5. Booster pump placement was a challenge as the pipeline we used was located in a drain. A temporary pad was built for the booster, however during mobilisation there were a few storms which partly washed our temporary structure away it was rebuilt and more substantial.

We successfully dredged the return water dam and returned the desired 75,000m<sup>3</sup> of capacity.



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