



EMSWORTH YACHT HARBOUR DREDGE



LAND & WATER Services

Emsworth Yacht Harbour Maintenance Dredge

Project Information

- **EMSWORTH YACHT HARBOUR**
- **HARBOUR MAINTENANCE DREDGE**
- **VALUE £310,000**
- **DECEMBER 2008—
FEBRUARY 2009**

The objective for this site was to remove approximately 11,500m³ of silt from within the boundaries of Emsworth Yacht Marina. The silt layers ranged from 300mm/400mm to 1.2m in depth. A JS 240 excavator and 6 piece Ravestein pontoon were used within the confines of the marina, loading 3 x split, bottom discharge hoppers. Due to restricted depth of the marina entrance cill and the confined nature of the marina, the hoppers were taken to a temporary mooring berth by a transfer tug and moored until all three were ready for disposal. The mouth of the marina was extremely restricted and took some expert operation by the transfer tug operator. During the correct tidal window, the sea-going tug "Datchett" then towed all three split hoppers to the licensed dumping area at Treloar Hole which is some 5 nautical miles from the Marina. Work was carried out around existing pontoons and there was a

weekly progress meeting held to enable all parties to be aware of any required boat movements prior to our dredging operations. The client was happy with the overall operation and apart from a slightly slow start the complete operation took 11 weeks including the mobilisation and demobilisation and also included 4 days of bad weather. During the bad weather we were unable to dredge because wave heights restricted the operation of the specialist craft. A total of approximately 11500m³ of silt was removed. The team also worked during some of the Christmas break to make full use of the prevailing "spring" tides. Using LAWS' road transportable plant 100% of the dredged material was able to be re-used beneficially for the recharging of mudflats within the Chichester Harbour SSSI



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