



Project Data Sheet



Project

Port of Tyne Dredging Review

Client

Port of Tyne Authority

Project

ADBP were employed to investigate and report on the efficiency of dredging activities within the Port of Tyne.

Channel dredging is undertaken by contract trailing suction hopper dredgers (TSHDs) on a form of contract that exposes the PTA to little financial risk. PTA's in-house grab dredger *Hedwin* dredges the berths supplemented, on an *ad-hoc* basis, by the contract TSHDs. However, she is 40 years old and subject, inevitably, to increasing maintenance and delays caused by difficulties in sourcing spares for equally elderly equipment.

ADBP confirmed that significantly improved efficiencies could be made in *Hedwin's* present operations thereby leading to greatly reduced costs in the short-term. While the implementation of these measures was recommended, options for her eventual replacement were investigated as the Port wished to retain the flexibility of response of having their own equipment.

It is noted that contract grab dredging of the berths could further reduce annual costs to the order of £402k but this option reduces the Port's flexibility and exposes it to the risk of not getting equipment when it needs it. We recommended the purchase of a suitable workboat and plough for ploughing of the berths for later dredging and disposal by contract trailer suction hopper dredger.

Dates

November 2008 to March 2009

Capital Value

N/A