

Project Data Sheet



Project Sedimentation and Dredging Study

Client Warrenpoint Harbour Authority

Project The Bates Partnership (TBP) are the Ports long term dredging consultants and were commissioned to study the rate of sedimentation being incurred in the various parts of the port, determine the varying tidal restriction influence on shipping and determine if the acquisition of a suitable in-house dredger was economical.

TBP reviewed all historical survey data to ascertain the varying rates of sedimentation after a dredge campaign through the harbour limits. All surveys had to be assessed for their quality and ensure they were fit for purpose. The implications on trade vessel access, due to the presence of elevated bed levels between maintenance campaigns, were studied and the optimal maintenance campaign frequency identified.

TBP also assessed all historical dredging production and costs for third party dredging and in conjunction with their ongoing knowledge of market rates, compared this information against the identified optimal dredger for direct labour. The implications of an alternative disposal site were also considered; with the economic merits of studying and licensing such a site examined and concluded on.

Overall this report formed the basis for the implementation of a long term maintenance dredging strategy for the Port.

Dates 2014