

Project Data Sheet



Project Sedimentation and Dredging Study

Client Peel Ports Group

Project The Bates Partnership (TBP) were engaged by Peel Ports, owners and operators of the Port of Liverpool in the UK, to undertake a detailed review of their dredging methodologies and identify the optimum maintenance dredging strategy to achieve best value for money.

In 2015 a significant capital dredging project was completed for the establishment of a new container terminal (Seaforth Triangle), reclamation of 12Ha of intertidal area and approximately 6Mm³ of dredging to form the new berths and deepen the existing navigation channel.

Following completion of the dredging a notable increase in sedimentation was experienced. Peel Ports engaged the use of Water Injection Dredging (WID) to maintain their waterways on an ongoing basis. This method was used for a period of nine months. Prior to engaging the contractor on a long term formal arrangement, for due diligence, Peel Ports required an independent assessment of the method being used in comparison to more traditional methods. TBP was commissioned for this study.

Ultimately, the optimum maintenance dredging strategy for the Ports needs to be identified based on the information available. Following on from this advice will be required with regard to implementation of the strategy, which is expected to include procurement and contract documentation.

Dates Ongoing