

MAINTENANCE DREDGING OF CCGBC HARBOURS & MARINAS	11th April 2018
TO: ENVIRONMENTAL SERVICES COMMITTEE	
FOR DECISION	

Linkage to Council Strategy (2015-19)	
Strategic Theme	Protecting and Enhancing Our Environments & Assets
Outcome	Our citizens will be given the maximum opportunity to enjoy our natural environments
Lead Officer	Head of Capital Works, Energy and Infrastructure
Estimated Cost:	£1,907,270

The purpose of this Report is to request permission to progress to Stage 2 of the Capital Programme Management System (development of detailed designs and specifications and progression of procurement process)

Background

Causeway Coast and Glens are responsible for the management of 13 Harbour and Marina facilities across the Borough coastline. A programme of maintenance work, including dredging, is required to enable them fully functioning. Following a programme of hydrographic surveys a selection of facilities have been identified as requiring significant dredging to protect future use. These include Portrush Harbour, Portballintrae Harbour and Redbay Harbour. Rathlin Harbour was assessed but the quantity was not significant to require works at this stage and future dredging could be programmed in future schemes.

The capital projects team have carried out considerable research to identify the volume of material to be removed and produced project cost estimates for each of the proposed schemes. It has been concluded that a significant amount of siltation has occurred and without a major dredging, the use of each of the harbours will be impacted and reduced including the operations of Portrush Lifeboat.

Options Appraisal and Feasibility

The harbour team have assessed each facility in line with operational requirements, in conjunction with the regulatory body DAERA (Marine Licence Team) to ensure work could be completed within legislation requirements.

Portrush Harbour has been identified as requiring the largest volume of dredging, as there has been little or no significant dredging activity for over 35 years.

Facility	Total Project Costs £	Detail
Portrush	1,274,757.00	Inclusive of chain replacement (where necessary)
Portballintrae	114,146.00	Dredging
Red Bay	200,489.00	Dredging (contaminated silt / sand)
Total Cost *1	1,907,270.40	

*1 it is recommended an optimism bias of 20% be applied

The above cost estimates for the proposed dredging above are based upon recently tendered rates for similar works. It should be noted that accurately estimating the cost of dredging quantities of material can be difficult due to the small number of specialist contractors who would be capable and interested to tender the project (usually based on existing work load). It is also important to note: The level of risk perceived by tenderers can also have a proportionately larger impact on the cost of smaller dredging projects and thus it is more cost effective to dredge all three facilities within the one contract to reduce contractor risk and spread mobilisation costs.

Drawings of the affected areas will be presented at the ES Committee meeting.

Programme

If Members approve progression to stage 2 of the procurement process, it is anticipated to bring a tender report to the ES Committee in November for final decision to proceed. Dredging would commence in March and will last circa 6 months.

Recommendation

It is recommended that Members approve to proceed to stage 2 of the procurement process.