

Research and Development

Final Project Report

(Not to be used for LINK projects)

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 An electronic version should be e-mailed to c.csgfinrep@csg.maff.gsi.gov.uk

Project title	Coastal rock structures on unprepared foundations	
MAFF project code	FD2401	
Contractor organisation and location	HR Wallingford Ltd Howbery Park Wallingford, Oxon OX10 8BA	
Total MAFF project costs	£ 15000	
Project start date	12/05/00	Project end date 20/09/00

Executive summary (maximum 2 sides A4)

A scoping study into 'Coastal Rock Structures on Unprepared Foundations' was undertaken by HR Wallingford for MAFF. The study methodology and findings are documented in the HR Wallingford report SR 577.

During the course of the study possible advantages of constructions with limited layers or foundations were identified and an Industry Workshop was held to discuss the issues concerned and ways forward. It was found that there is considerable scope for cost savings, more flexible structures and, in some cases, less environmental impacts if such structures are used at suitable locations.

Recommendations as to appropriate research to investigate the use of coastal rock structures with limited foundations or filter layers are provided within the report and some of the limitations in the guidance presently available are highlighted.

Two areas for immediate research are identified:

- Collation, appraisal and dissemination of existing experience
- Descriptive numerical modelling of flows within rock structures

On completion of these preliminary studies a more comprehensive research programme could be implemented.

**Project
title**

Coastal rock structures on unprepared foundations

**MAFF
project code**

FD2401

Scientific report (maximum 20 sides A4)

Please see HR Wallingford report SR 577 'Innovation in the use of coastal rock protection: Results of a research scoping study'

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