

## BreakWater – 3 Fathom Harbour | Design

Public Works and Government Services Canada



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Canada

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Services gouvernementaux  
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### Description

Mitchelmore Engineering Company (Meco) Ltd was contracted by Public Works & Government Services Canada (PWGSC) to procure remedial design for shore revetment / breakwater located on Nova Scotia's eastern shore. The existing structure experienced damages during hurricane Juan in September of 2003 that precipitated concern about functionality for future events.

Meco prepared contract documents, including plan, profile and section drawings, technical specifications and capital cost estimate. The design documents were supported by a design brief that outlined design method, assumptions and criteria.

**Comments on Budget/Schedule Difficulties:** The design budget was established at 5%, and was increased due to increase on the scope of work.

**Responsibility on Project:** Meco was responsible for design and contract documents. PWGSC performed contract administration.

**Relevance of Project:** Typical of any shoreline protection system, but incorporated an innovative design for erosion at the toe.