

1 Port Street - Coastal and Marine Assessment Information Sheet

Shoreplan Engineering Limited was retained by Canada Lands Company to review and assess conditions of the coastal structures.

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- The site contains a number of marine structures that were constructed between 1958 and 1975. They include the east and west breakwaters, a decommissioned ship called the “Ridgetown” that acts as the south breakwater, east, south and southwest wharf walls and the curved training wall.
- An inspection of the marine structures was completed in August 2011 that included a diving inspection, an above water inspection and a review of drawings and reports.
- The east and west breakwaters are 50 years old and at the end of their design life. They are functional and reduce wave activity in the marina basin.
- The wharf walls installed on the east, south and southwest sides of the site are approximately 50 years old. It is estimated that they will continue to function for another 50 years based on background information and designed live loads.
- The curved training wall which is located on the west side of the property, and east side of the Credit River, is estimated to continue to function for the next 50 years.
- The Ridgetown, which acts as a south breakwater, was sunk on a level of bed of crushed stone and filled with clear stone in 1974. The Ridgetown continues to provide its intended function as a breakwater.
- The wharf is hard surfaced between the wharf walls and the existing storage shed. The wharf is an artificial (man-made) landform.

