

TMS Maritime is a leading UK specialist in marine civil engineering, ancillary floating plant and diving services

Duration: October 2014 to February 2015

Client: The National Trust

Project Value: £315,000

Project: Mullion Harbour Wall Repair

Requirement:

Mullion Harbour, situated on the exposed Lizard Peninsula, has provided substantial protection to the village of Mullion against the maritime elements since its construction in 1892.

Owned by the National Trust since 1942, and given Listed status, it provides historic, cultural and economic value to Cornwall and the South West. During the prolonged storms of 2013/2014, the Harbour suffered extensive damage to the historic masonry walls, inner core and granite sett pavement. Repairs were required to avoid further deterioration and to reinstate the protection offered by the Harbour wall.

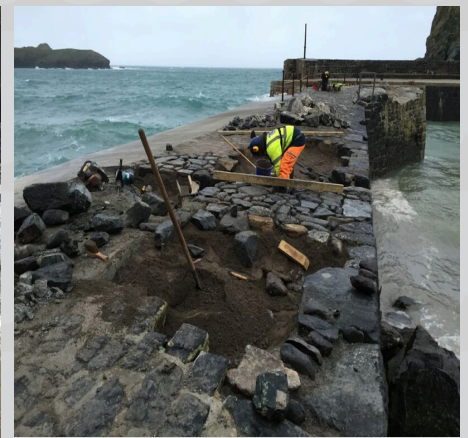
Solution:



TMS were awarded the contract as principal contractor to carry out the repairs (with BSW as the principal designer and client's representative). This was the third phase of work carried out, with the previous two phases also being undertaken by TMS with values of £103k and £70k respectively. There were three elements to the repairs carried out :

- repair to the deck of the Western breakwater including recovery and reinstatement of the original granite setts and the large coping stones that had been displaced during the storms;
- repair of the top deck and outer face (wall) of the Southern breakwater;
- removal, repair and reinstatement of the end of the Southern breakwater

There were a number of significant challenges involved in delivering this project, defined by the location, difficulty of access and weather conditions. All work was undertaken in tidal conditions during the winter months, in an exposed and difficult environment. Rope access, required in order to carry out the repair works, was hampered by the sea state and the tidal extremes associated with winter seas in such an exposed location- especially on the outer face of the breakwater. Restricted access limited plant to a 2t dumper to assist with transporting and placing in excess of 100m³ of in-situ concrete. The project was, however, delivered successfully and to the satisfaction of all parties.



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