

JENKINS MARINE – Restoring Brunel’s Legacy.



The Millbay Inner Basin in 1857

Jenkins Marine has been chosen to help undertake the historic restoration of the Millbay Inner Basin at Plymouth, part of a £350 million regeneration project. Conceived and built by Brunel in the 1850's for the Great Western Railway Company this historic shipping dock, complete with its Granite walling, had all but been abandoned to its fate in modern times, despite being a listed structure and famous local landmark.

For many decades now silt has been allowed to collect in the inner basin. But simply dredging the basin is not possible due to the environmentally sensitive nature of the area and the need to prevent re-suspended material from drifting into the surrounding waterways. The *English Cities Fund*, who are redeveloping the area, want the Millbay Inner Basin to form the centrepiece of a newly regenerated Millbay – complete with new Marina, and Morrison Construction, the main contractors, have awarded Jenkins Marine this all important dredging role.



*Doreen Dorward & Needles
Millbay Inner Basin, Plymouth*



Doreen Dorward, following £80,000 refit, and state of the art Case CX350 excavator with RTK GPS dredge system.

The precision work will see *Jenkins Marine* use state of the art computer guided dredging equipment, including a Prolec PCX-3D RTK GPS dredge system, accurate to 10mm, and a new Case CX350 long reach excavator with a 6.5m boom and 6.5m dipper arm which is able to dredge the 37,000 cubic metres of material required. Two thirds of the material will be disposed of at sea using Jenkins Marine's 300m³ self-propelled split hopper barges Nab and Needles, while about one third of the material, which has trace contamination, will be brought to shore and then unloaded by excavator ready for dewatering and remediation by main contractors Morrison construction.

Millbay is a key element in the economic and physical regeneration plans for Plymouth. The ambitious scheme includes the creation of 1,200 new homes, business space and leisure facilities. *Colin Molton*, Director of Homes and Communities Agency South West said:

"The renaissance of Plymouth is an important regional HCA priority and I am delighted that this project has been deemed worthy of national recognition."



Dredging underway at Millbay

The dredging work is expected to take around 3 months to complete subject to the local weather conditions which could delay the disposal of the dredged material at sea.

More information about the Millbay project is available at: www.thisisplymouth.co.uk