

In order to accommodate a wide range of vessels, the internal marina waterfront basin at Ocean Reef Marina needs to achieve a certain depth that has been agreed with the Department of Transport (the potential future Marina Manager). This work is due to commence in early August 2023.

The dredging process

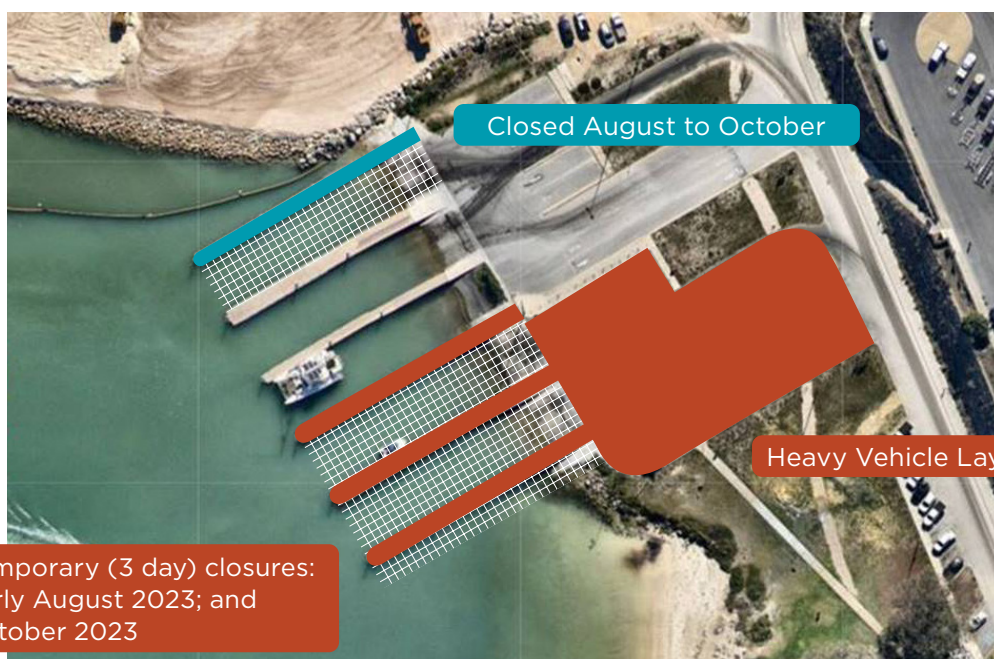
A floating dredge, similar to the one pictured right, will be used for these works.

The dredge will remove material from the ocean floor and pump it via a pipeline to a settlement pond, which will be constructed across the width of the existing beach. The dredged material will be contained in the settlement pond by a sand and rock 'bund', with a small channel left open to allow the water that drains from the dredged material to return to the ocean. This is typically how dredging is managed.

Once the dredged material has fully drained and settled, it will be excavated and removed from the settlement pond for use elsewhere on site, in line with the project's environmental approvals.

See overleaf for how potential work impacts will be managed.





Work impacts

Boat ramp access

These works will require some temporary restrictions to boat ramp access.

Boat ramp closures

Boat ramps 5 to 8 marked on the above image will be closed for 3 days to facilitate the launch of the dredge (August) and its retrieval (October).

Northern finger jetty

Once boat ramps 5 to 8 are re-opened, the northern boat ramps 1 and 2 will be temporarily closed to public access and fenced off for the duration of the dredging, from August to October. This temporary closure is necessary in order for the service vessel to remain on site for maintenance of the dredge during these daily works. The silt curtain will be temporarily repositioned to incorporate the finger jetty so that the service vessel has access to the dredge. The finger jetty will also be used to store materials related to the works.

Noise or odour

- Previous harbour excavation and dredging works that were completed using land based equipment did not generate any significant noise or odour, and it is not anticipated that these works will be any different in that regard.

Marine life

- This work will be carried out within the area protected by the silt curtain and in line with the approved Marine Construction Monitoring and Management Plan.

Access to navigable waters

- These dredging works are all within waters that have been closed to navigation by the public, and will not require any further restrictions.

The beach

- The beach will be used to hold the dredged material within a settlement pond. However, it should be noted that the new beach that will be created within the marina will be located further seaward than the existing beach. The material that is used in the bund construction for the settlement pond will not form part of the future beach, which will be created using clean imported beach sand.

For the latest project information, or to register to receive project updates, go to <https://yoursay.developmentwa.com.au/ocean-reef-marina>



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