

Glebe Island 8 Upgrade

Address: Glebe Island, Sydney

Value: \$2.5 million



Overview

Glebe Island 8 wharf was constructed between 1919 and 1930 on the western shore of the Glebe Island peninsula. The wharf has undergone various upgrades over the years with a major upgrade being undertaken during WWII when the deck of the wharf was lifted by 1.1 metres to accommodate US Navy vessels.

In 2015 a structural review revealed the wharf had limited load bearing capacity. In 2020 Port Authority of NSW restored the wharf to its original load capacity of 22kpa, and as it had been identified that the depth of the berth box was very shallow, decided to also re-level the seabed to maximise its depth and minimise disruption to ship arrivals.

Challenges

- Works had to be carried out marine side whilst allowing ships to continue to berth and unload.
- Programming of the work had to be undertaken around ship movements whilst ensuring the construction programme remained on track.

- The Harbour Master required a clearance survey prior to each ship's arrival at the berth.
- The rare White's Seahorse was discovered under the wharf area so specific action was needed to protect it from the works. Mitigation measures were also needed to protect any other endangered species living in the area.

Services

TPS was engaged to provide technical advice through the tender period and preparation of contract documentation. TPS then acted as Principal's Representative under the contract and undertook project management services for the works, including liaising with stakeholders and managing time, quality and cost aspects of the project.

Highlights

- Successful coordination of land and marine operations to ensure works did not impact the normal operation of ship movements.
- The discovery of rare marine life.