

Orakei Marina, Auckland, NZ

Client

Orakei Marina Development.

Project

The Orakei Marina is a 170 berth marina constructed on the western side of the Okahu Bay boat maintenance facility on the Waitemata Harbour. Dredging of approximately 140,000 m³ of sands and sandstone material was required along with construction of two breakwaters totalling 550 m in length.

Breakwaters consisted of dredged sandstone as the core material and were armoured with two layers of basalt rock armour. Marina parking areas were provided on a concrete wharf structure and paving and servicing existing land. All stormwater was treated prior to discharge.

Services provided

- Geotechnical investigations
- Design of breakwaters and dredging
- Design of stormwater and pavements
- Assessment of effects for coastal processes
- Construction monitoring and testing.

