



# Port West Drainage Channel

## Port West, Lytton



### Project Data Sheet

**Client:**  
PPQ (Port of Brisbane)

**Project Location:**  
Port West, Lytton

**Contract Value:**  
\$3,000,000

**Year completed:**  
2019

**Scope:**  
Bulk Earthworks  
Dewatering below Sea Level  
Geofabric Installation  
Acid Sulphate Soil Treatment  
Environmental Controls  
Grout Mattress Installation  
Rock Mattress Installation  
Settlement Monitoring



Civcorp constructed a 1 kilometre long drainage channel at Port West for the Port of Brisbane. A significant amount of Possible Acid Sulphate Soils (PASS) were excavated and treated on site with lime. Strict environmental and geotechnical testing controls were put in place to ensure PASS were remediated to correct levels. The channel ranged in width from 12m to 24m. Gabion rock mattress was installed on the north-eastern side to promote future mangrove growth and the development of local ecosystems. Grout filled revetment mattress was installed on the base and western side of the channel. This mattress was coated in a specialised UV resistant coating to ensure longevity of the mattress. As the channel base was 0.5m (AHD) below sea level, complex dewatering systems were used to ensure a safe and practical work environment. The channel flowed directly into the Brisbane River and strict environmental controls were required for entirety of the project to ensure sediment did not enter the river system.



**ALL ENQUIRIES**  
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