

Soils and geology



Geotechnical studies have been used to inform the marina design process and site earth works.

Further geotechnical investigations are nearing completion.

These studies will:

- assess the topography and geology of the site and its suitability to the proposed development
- assist construction methodology
- assist the Environmental Impact Statement processes by recommending appropriate mitigation measures in relation to the project

Dredging of the Caboolture River channel has been investigated. Studies has recommended that:

- The proposed Marina will not be dredged. It will be a dry excavation. Only the navigation channel of the Caboolture River will be dredged.
- Studies have estimated that the quantity of material required to be dredged from the Caboolture River is 559,830 cubic metres, representing **less than a third of original estimates**. It is proposed the dredged material will be used in the earthworks process.

Exhaustive flood modelling studies have informed the proposed earthworks plans.



Extensive soil testing

Geo-environmental investigations within the reaches of the Caboolture River proposed to be dredged have been undertaken. The investigations included:

- acid sulphate soil investigations
- assessment of dredging properties of the soils
- likely contamination of the soils

