

North Para Flood Control Dam

Client	GRFMA - Gawler River Floodplain Management Authority
Location	Kingford
Procurement	Shortlisted Selected Tenderers
Engagement	ASZ2124 Construct Only
Contract Value	\$12 million
Duration	June 2006 to December 2007
Project Description	

The construction of a roller compacted concrete "RCC" flood control dam on the North Para River located 7km northeast of the township of Gawler. The project consisted of the following main elements:

- Provision of temporary works including site access, upstream & downstream coffer dams with piped river diversion & onsite concrete batch plant.
- Excavation to rock foundation over dam footprint including detailed dental treatment.
- Construction of the main RCC dam structure being 200m in length by 32m high, requiring the batching and placement of 45,000m³ of RCC.
- Deployment of innovative jump formwork system for sheer upstream face and stepped downstream.
- Integrated secondary spillway structure also with RCC and various misc metalwork structures including debris frame, access ladders and handrails.



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