



Major Floodway Works for Hail Creek Mine

FLOODWAYS & CAUSEWAYS

REF No. E/RW-0920Q

Client: Hail Creek Mine
Location: North Queensland
Project: Hail Creek Mine Floodway

Flood management within a remote mine site is not always the easiest problem to solve, given the rainfall patterns in northern Queensland.

The problem at Hail Creek, a coal mine approximately 60km west of Mackay, was recently addressed, with the installation of a series of hydraulic structures to mitigate the impact of flood events and safely discharge surface run-off.

The hydraulic structures included a dam spillway, a low wall channel spillway and construction of a polishing dam.

The project value was approximately \$1 million.

The spillways were constructed using Reno mattresses 230mm, 300mm and 500mm deep, with gabion structures being used to form the spillways' drop structures and energy dissipation baffles.

All the steel mesh Reno mattress-

es and gabions were heavily galvanised and PVC coated to ensure durability of the structures in the extreme environment.

Earthtec undertook the project to construct the floodways and spillways, and the works commenced in February and completed on schedule in August.

Working in such a remote location

The mine environment required a high degree of safety awareness and compliance which presented no problem for Earthtec's experienced crew.

presented a number of challenges which were overcome by good planning.

Similarly, the mine environment required a high degree of safety awareness and compliance documentation which presented not difficulty to Earthtec's experienced crew.

Earthtec has subsequently completed a number of similar structures for BHP Mitsubishi Allaine (BMA) at Goonyella Riverside near Moranbah in the Bowen Basin.

Please contact our Sydney head office to meet with an EarthTEC representative in your state to discuss your project:

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