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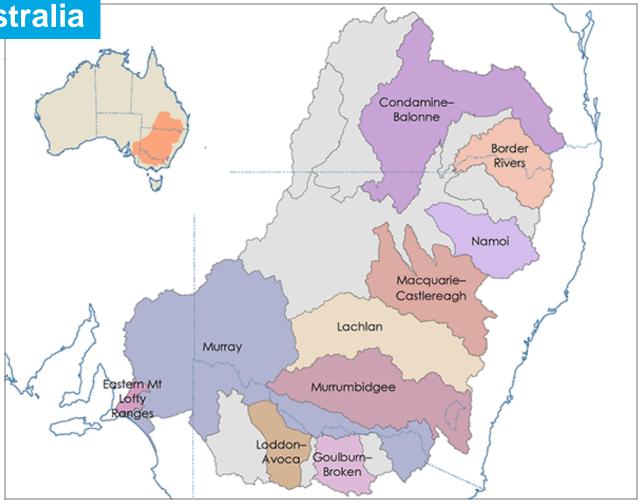
BAppSc Dip Irrig CID Ag Surf





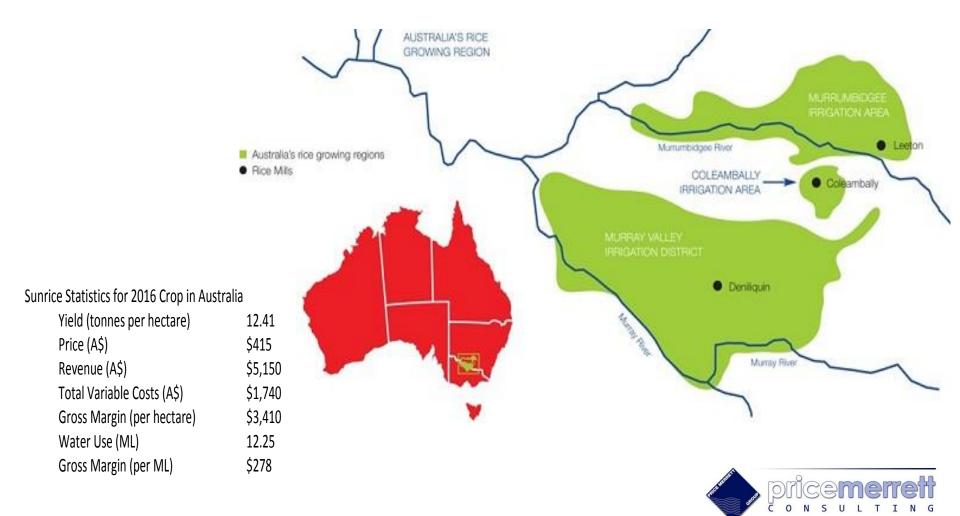
SURVEYING
ENGINEERING
IRRIGATION
PROJECT
MANAGEMENT

Irrigation in Australia





Rice Production in Australia



Old Style Contour Bank



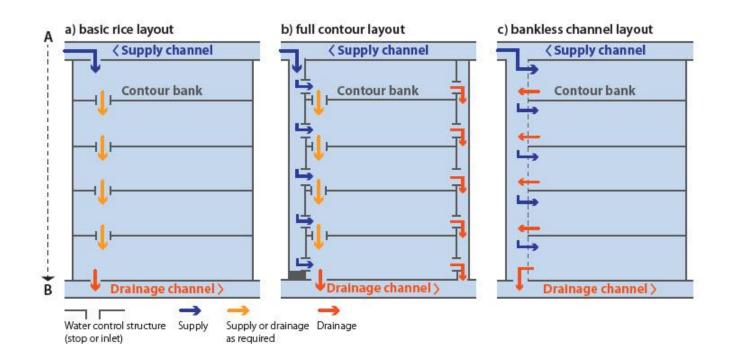


Lasered Contour Layout



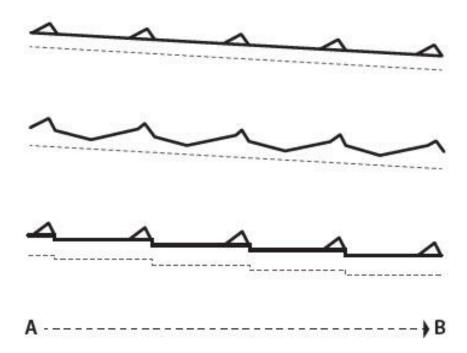


Current Trends

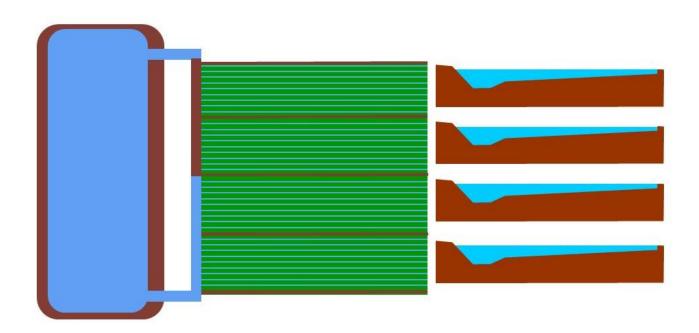




Current Trends





















Issues for Cambodia

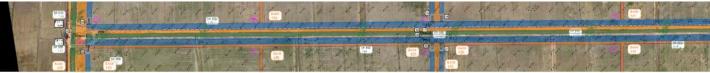
- Small scale production
- Title to Land
- Pests
- Floods
- Drainage
- Irrigation or Lack of.
- Infrastructure



Kirivong Project



- Existing 237 rice paddies .
- Planned 22 x 12ha to 15ha rice bays using a bank less channel layout





Kirivong Project

Design Features:

- Central main elevated header channels
- Pumped supply from flood waters and existing regional supply system
- Existing levee borrow area creates an estimated 120 to 150 megalitres of storage.
- Price Merrett is currently assessing suitability of soil types for 2 x 100 megalitre to 150 megalitre storages.
- The pumping system consists of 2 x Chinese Axial flow pumps powered by Deutz diesel engines.
- The 2 pumps will deliver a combined minimum flow rate of 30 megalitres per day.
- Storages will provide an additional flow of 30 ML per day
- A total flow rate of 60 ML per day over a period of a 3 to 5 day irrigation cycle.
- Existing levee borrow area allows drainage water to re-enter the moat for re-lifting back into the elevated channel feeder system.



Kirivong Project

- During the wet season flood water can also be harvested by gravity and held for later use.
- Modern irrigation structures will initially be imported from Australia.
- The aim in the long term is to use local manufactures to construct major irrigation structures.
- Construction of such projects has a very slim window of opportunity. Three to four months of dry season is most likely the maximum time available for construction.
- Hence good planning and equipment selection is of paramount importance.

