WATER for WARRILL

NEW OPTIONS for off-stream WATER STORAGE

Turning floodwater into productive water

Stage 2 of the Water for Warrill initiative identified the potential for up to 12,000 megalitres (ML) of water to be captured from high rainfall events and localised flooding.

The Stage 2 modelling shows that a 12,000ML off-stream storage integrated into the Warrill Valley Water Supply Scheme could:

- Unlock $30M in private investment in on-farm infrastructure
- Deliver a 15-20% increase in irrigation reliability
- Capture floodwater to help protect Ipswich

Increased reliability of water supply will allow growers to maintain production in dry years, shift into higher-value horticulture and value-added food processing, and improve the economic output obtained from each megalitre of water used.

An initial engineering investigation of key infrastructure options was undertaken by Engeny as part of Stage 2 identified seven potential storage locations warranting further investigation.

Key assumptions

- sites have an average water depth of 8m when full
- evaporation and seepage losses similar to that of other similar storages in the region
- the site will be authorised to divert flood flows by filling up to 300ML/day whenever flow is greater than 250ML/d at Amberley Gauging Station
- the site will be authorised to divert water released from Moogerah Dam whenever the offstream storage dam is below a nominal operating volume of 1,200 ML
- it will supply high priority (HP) and medium priority (MP) water users firstly from local in-stream flows and weirs, then from the off-stream storage dam (if water is stored in it and they are located downstream of it), and then otherwise from Moogerah Dam
- release up to 90ML/day from the off-stream storage dam if/when needed to supply downstream users.

Legend

Potentially feasible sites for a new off-stream water storage of up to 12,000 ML

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