

Projects

Horsham and Dimboola Flood Studies and Floodplain Management Plans



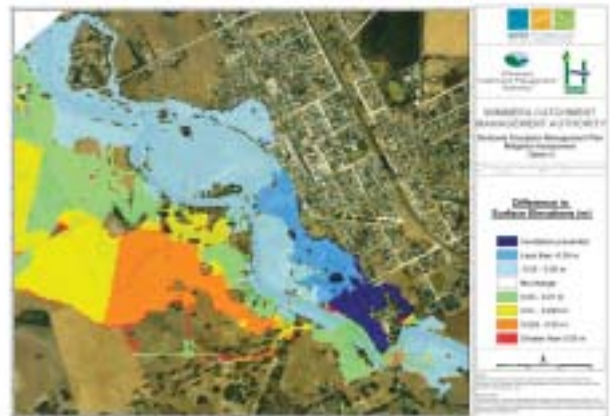
Client: Wimmera Catchment Management Authority, Horsham Rural City Council & Hindmarsh Shire Council

Flood events from the Wimmera River have been a regular feature of the history of Horsham and Dimboola with at least 12 large floods occurring in last 100 years. The 1909 event was the largest on record with much of the lower parts of the two townships being inundated. This included many areas that have become developed since this event.

With this backdrop, and continued development within the floodplain, Wimmera Catchment Management Authority commissioned Water Technology to undertake flood studies for Horsham and Dimboola in 2002/2003. The Flood Studies quantified the exposure of Horsham and Dimboola to flood risks and consists of the following tasks:

- Photogrammetric and field topographic survey
- Hydrologic and hydraulic (Two-dimensional) analysis
- Community consultation
- Floodplain mapping for emergency response and land use planning

A key recommendation arising from the Flood Studies was that Floodplain Management Plans should be developed for both Dimboola and Horsham. Building on the results of the flood studies, the floodplain management plans enable potential areas of flood risk to be identified and provide a channel for addressing community concerns. Key outcomes of the floodplain management plans include a review of previous economic assessments, objective evaluation of flood risks, identification of a range of mitigation solutions, improved planning framework and improved flood warning arrangements.



The community consultation program developed aimed to engage the community in “their” floodplain management plan. The program consists of media releases, press and radio advertisements, community information sessions and council briefings.

For more information contact Steve Muncaster (email: steve.muncaster@watech.com.au)

Services Provided

- Hydrological modelling
- Community consultation
- Floodplain modelling
- Floodplain mapping
- Risk Assessment
- Floodplain management