

Projects

Shepparton Mooroopna Flood Warning and Emergency Management Project



Client: City of Greater Shepparton and Goulburn Broken Catchment Authority

The Shepparton Mooroopna Floodplain Management Plan, which was completed in 2002, recommended upgrades and revisions to the flood warning services and emergency response arrangements for Shepparton Mooroopna. Water Technology was commissioned by the City of Greater Shepparton in June 2004 to undertake the Shepparton Mooroopna Flood Warning and Emergency Management Project. The key project elements include:

- Refinement and clarification of flood warning arrangements
- Assessment and implementation of data collection network augmentation
- Development of an agency flood response plan and community flood response guidelines
- Development of a community alerting process and property specific flood advice
- Development of an information management system

The existing flood warning arrangements involve a number of agencies including the Bureau of Meteorology, Goulburn Murray Water, and the Goulburn Broken Catchment Management Authority. However, there is a known lack of clarity surrounding individual agencies roles and responsibilities, and agency interaction. Water Technology has facilitated a process aimed at providing this clarity through close liaison with relevant key agency personnel.

Shepparton Mooroopna lies at the confluence of three major river systems: Goulburn River, Broken River, and Seven Creeks. To improve flood forecast reliability, the existing data collection network is being augmented. Water Technology is managing the assessment and implementation of the data collection network augmentation.



The underlying fundamental requirement of a flood warning system is to provide the affected areas with timely and reliable flood information and advice on appropriate resident actions. As part of the project, Water Technology is investigating the potential use of automated telephone alerts to affected residents. Further, each flood affected property will be provided with specific flood advice regarding likely inundation and evacuation routes over a range of flood magnitudes.

For more information contact Steve Muncaster (steve.muncaster@watech.com.au) or Geoff Crapper (geoff.crapper@watech.com.au).

Services Provided

- Community and agency consultation
- Data collection network assessment
- Community alerting and education
- GIS interfaces
- Flood forecasting techniques