

## Industry consultation – flood management prioritisation tools

Guided by the new *Flood Management Strategy – Port Phillip and Westernport*, Melbourne Water has been working with stakeholders across the region to develop three new flood management prioritisation tools.

The three integrated tools comprise the Flood Mapping, Flood Effects and Flood Management Options Prioritisation Tools and aim to help make future flood management decisions more transparent, coordinated and effective across the region. The new tools will guide Melbourne Water decisions, and will also be available for use by other organisations.

### **Flood Mapping Prioritisation Tool scope:**

*Tool to identify, compare and prioritise flood modelling and mapping needs for all catchments across Port Phillip and Westernport.*

### **Flood Effects Prioritisation Tool scope:**

*Tool to quantify, assess and compare flood effects in all catchments across Port Phillip and Westernport, and to help inform the top priority locations for flood management action.*

### **Flood Management Options Prioritisation Tool scope:**

*Tool to assess and compare the costs and benefits of different management options at each priority location (or site of interest) and to identify the best combination of options to reduce flood effects.*

The new tools will guide Melbourne Water activities. We also hope they are easy to understand and use, so that you can use them to help guide or inform the work you do.

By trialling the tools and sharing your feedback you can help make the tools as effective as possible, and achieve the best outcomes for communities.

### **Progress so far**

Melbourne Water has been working with the Project Working Group and three Technical Working Groups to provide oversight and guide development of the tools. These working groups are made up from representatives from local and state government, Melbourne Water, VICSES and water retailers. A wide range of stakeholder input from discussion papers, surveys, webinars, and flood strategy feedback has also been used so far.

A consortium of consultants including Alluvium and WaterTech has now developed a draft version of the tools, which has undergone initial testing by the Project and Technical Working Group members. The tools are now being refined in preparation for 'user testing' by the broader industry.

Catchment ID	Catchment Name	Data Availability	Final Score	Rank
4310	MOONEE PONDS CREEK (LOWER)	15/19	73.82	1
4400	YARRA RIVER (MOUTH TO MERRI)	15/19	73.63	2
4806	HANNA STREET MD	15/19	72.50	3
4220	MARIBYRNONG RIVER (LOWER)	15/19	72.09	4
9880	9880 COUNCIL DRAINAGE DIRECT TO BAY	15/19	71.86	5
4870	GARDINERS CREEK (BURWOOD)	15/19	71.73	6
1118	SPRINGVALE SOUTH	15/19	71.28	7
5420	MULLUM MULLUM CREEK (UPPER)	15/19	71.28	8
4241	MILLEARA ROAD DRAIN	15/19	71.18	9
6819	BROOK STREET DRAIN	15/19	70.54	10
9804	9804 Council Drainage Direct to Bay/Bight	15/19	70.32	11
4902	PRINCES STREET M D	15/19	69.94	12
5002	HEATHERTON DRAIN	15/19	69.06	13
4410	ALEXANDRA PARADE M.D.	15/19	68.47	14
5040	CLAYTON DRAIN	15/19	68.33	15
4701	HAWTHORN MAIN DRAIN	15/19	68.30	16
4960	Meek Street	15/19	68.27	17
4313	ROYAL PARK M.D.	15/19	68.25	18
4880	GARDINERS CREEK (BOX HILL SOUTH)	15/19	68.19	19
5010	HEATHERTON DRAIN (MOORABBIN)	15/19	68.19	20

  

Catchment ID	6819	Data Gaps
Catchment Name	BROOK STREET DRAIN	
Existing Information	45.00	1.16, 1.17
People affected	6.59	
Critical Infrastructure & Essential Services	5.55	
Reported Flooding	13.40	4.1
Development Activity	0.00	5.1
Overall score	70.54	

Screenshot from the Flood Effects Prioritisation Tool

## User testing

User testing and feedback from the industry is vital in ensuring the tools are understood, appropriately designed and useful to stakeholders. The user testing period will commence from early August, with the tools freely and publicly available for trialling over a two-week period. User testing will be supported by a webinars and drop-in sessions to help explain the tools, answer questions and provide opportunities for feedback.

The user testing period is your opportunity to review and trial a complete suite of draft tools and to provide your thoughts on the things that matter to you, including the variables, weightings and assumptions underpinning the tools, and what would make the tools useful for you.

The draft tools are Excel based. They require no special software, though familiarity with Excel will be necessary. The tools will be accompanied by a short user guide, and a supporting GIS layer of catchments in the Port Phillip and Westernport region.

Contact [floodstrategy@melbournewater.com.au](mailto:floodstrategy@melbournewater.com.au) to register your interest in updates on the project, or find out more at [melbournewater.com.au/yourfloodstrategy](http://melbournewater.com.au/yourfloodstrategy).

**20 July 2016**