



With the end of the year rapidly approaching, we would like to take the opportunity to wish everyone a safe and relaxing Christmas break. Our offices will close on 22nd December and reopen on 2nd January.

We look forward to working with you in the New Year and unveiling some very exciting enhancements to waterRIDE™.

Changing Flood Hazards For a Surface

The release of the new Australian National Flood Hazards (commonly referred to as "H1-H6") has led to discussion amongst Councils as to how to adopt these new hazard categories for existing flood studies.

Fortunately, waterRIDE™ makes it straightforward to change hazard categories for an existing water surface, *without* needing to re-run the flood model.

Using Utilities->wR Flood Hazards->Change wR File Hazards, select any number of waterRIDE™ files and the new hazards category to use.

2017 – Features You May Have Missed - Productivity

This year has been a very busy one for the waterRIDE™ development team.

Given the pace of development, it is sometimes easy to miss new features and we thought it timely to list some of the more important (or less known) ones, from a productivity point of view:

Automated Flood Certificates – saw the largest development of new features and was the most popular feature this year. Single-click sophisticated and consistent certificates are not far away for any waterRIDE™ user.

Scroll wheel Zoom/Pan in any mode – a simple feature that was somewhat difficult to implement given waterRIDE™'s rich cursor modes. None-the-less, this feature should be making the interface even faster with considerably less mode changes (button clicks).

Pyramids – Using extremely large datasets across a slow network can prove particularly painful in any application. Surface pyramids ensure the volume of data being transferred is kept to a minimum, greatly improving the usability of large datasets. Pyramids apply to both water surfaces as well as slower image formats (jpg's and tiff's).

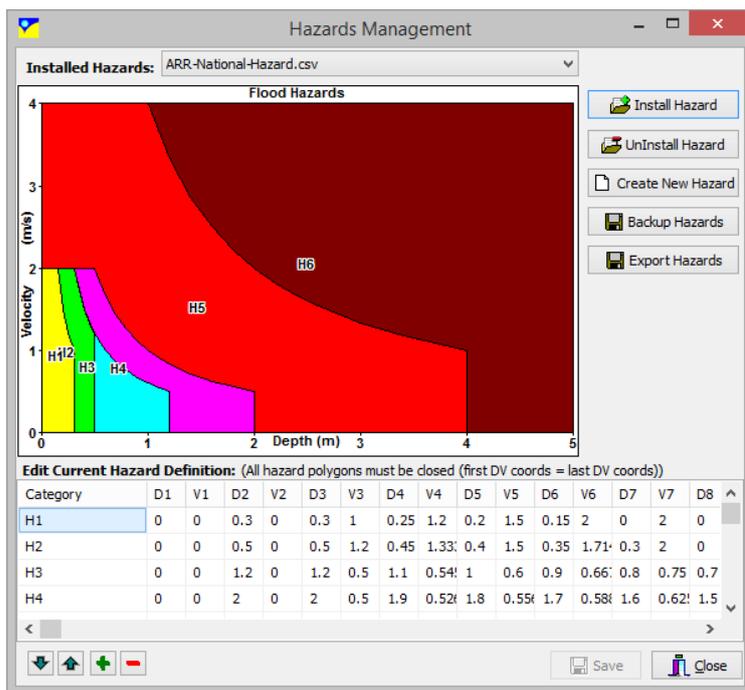
Flood Reports – A new feature that has probably slipped under most radars, the flood reports tool is designed to readily facilitate extracting a list of objects from a GIS layer that match a detailed query condition (eg a list of properties flooded above floor, grouped by suburb/town then street, along with summary statistics across the LGA).

Info Tool – The dropdown arrows next to the Info tool expose multi-point inspection, and "all surfaces in view" modes. The latter is particularly useful for comparing all hydraulic parameters between multiple model runs.

waterRIDE™ Training

The recent Introductory Training and Flood Certificates Masterclass in Sydney were well attended, with the Masterclass "selling out".

Feedback was unanimously positive and, for those of you that missed the sessions, we are currently finalising our formal schedule for next year with sessions to be held in Sydney, Brisbane, Perth and Auckland.



Hazard categories are determined dynamically in waterRIDE™ for any timestep of a model run by doing a lookup between velocity, depth, and VxD for each cell/node against the relevant hazard categories table.

However, the peaks must be calculated (by running through the time series) and stored for the new categories as peak depth, velocity and, therefore hazard, do not necessarily occur at the same time (this is automatically managed by waterRIDE™).

If you have a "peaks only" water surface (ie no time series), which is often the result of mapping results to a finer scale DEM or from "envelope mapping", you will need to redo the mapping using the new hazard categories.