Consultants

waterRIDE™

www.waterRIDE.net

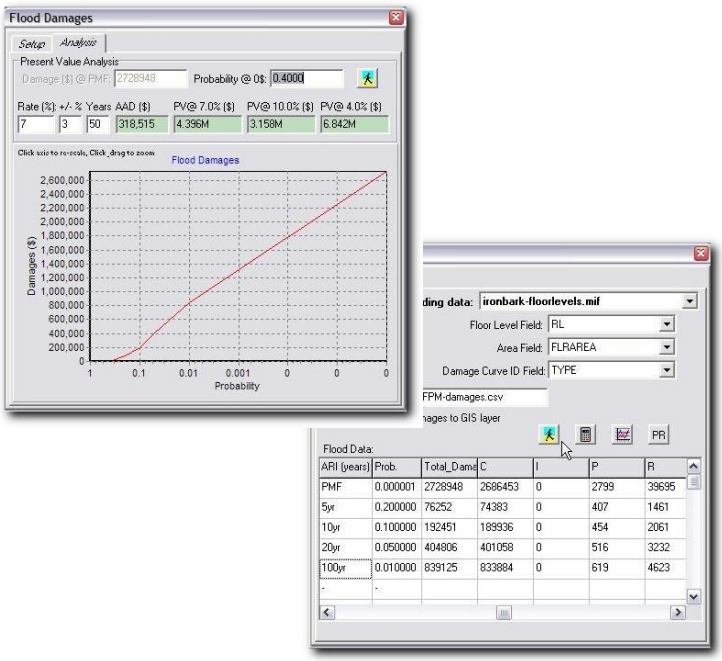
*The waterRIDE™ environment provides Consultants with feature rich, purpose built tools for enhancing the efficiency of preparation and presentation of hydraulic modelling deliverables, from **any** 1D, 2D or 3D hydraulic model.*

The waterRIDE™ environment was developed by "engineering programmers" at WorleyParsons who themselves are active in the hydraulic, hydrologic, floodplain and flood emergency management industries. The system has been designed with workflow in mind, streamlining many of the tedious processes involved in preparing high quality deliverables for clients.

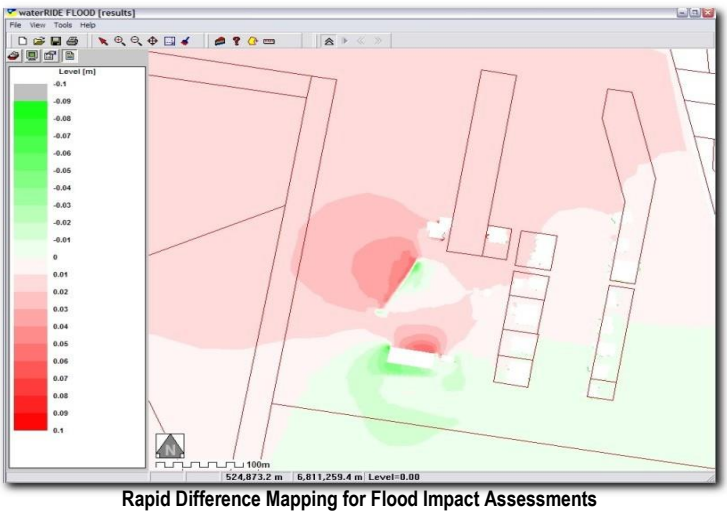
Models supported by waterRIDE ™ include (both 1D and 2D): MIKE11, MIKE21, RMA-2, TUFLOW, SOBEK, FLS, ANUGA, InfoWorks, EXTRAN (XP-SWMM), HEC-RAS, RUBICON, ICPR, DELFT 3D, SELFE, DRAINS overland flow, ESTRY, generic link node models, and even results from hard copy

Key Features for Consultants

- ***High Quality Presentations –*** Impress your clients with very high quality, interactive presentations of modelling results, with minimal effort. The sophisticated GIS framework and toolset within waterRIDE™ will greatly enhance communication with your clients.
- ***Rapid Preparation of Deliverables -*** rapidly prepare deliverables with dedicated tools such as: GIS flood extents, results mapped to fine scale DTM's, thematic model surfaces, peak water levels and flood envelopes, peak hydraulic hazards, floodplain classification (floodway, flood storage, flood fringe hydraulic categories), flood planning levels, mapping to GIS, preparation of figures for reports, packaging of flood surfaces.
- ***Project Data Management –*** Model results of any format, GIS layers, reports, spreadsheets, site photos, essentially any electronic file, can be stored in a readily accessible central location. 'Pack n Go' feature collects all necessary files into a single location. waterRIDE™ also provides 'fingertip' access to your datasets at client meetings!
- ***Time Varying GIS Analysis –*** the unique integration of time varying datasets with GIS allows rapid time based analysis for use areas such as: evacuation planning/phasing, interactive animations, hazards identification determination of true peak values, and integration with clients property datasets. Such processes can be quite cumbersome in conventional GIS!



Purpose built tools greatly enhance productivity – flood damages are calculated in seconds, including an AAD and NPV analysis!



Rapid Difference Mapping for Flood Impact Assessments

- ***Task Oriented Tools –*** tools are designed to get a job done faster, such as the flood damages tool. It automatically integrates your water surfaces with floor levels, property types and damage curves to calculate damages across a range of flood events (to automatically calculate AAD and carry out a Net Present Value analysis), or across results for different flood mitigation options to carry out a comparative Benefit/Cost analysis.
- ***Quality Assurance –*** the highly visual nature and powerful toolsets of waterRIDE™ provide a rapid means of identifying modelling errors, understanding model (and natural) behaviour, verifying and calibrating models, and providing consistent, high quality deliverables.
- ***Evolving Products –*** waterRIDE™ products are under constant development, reflecting the changing needs of the industry and our users

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