



March 20, 2008

XP Software is excited to announce the release of **xprafits version 7.0**, our runoff routing model that is used extensively throughout Australia and the Asia Pacific region for hydrologic and hydraulic analysis of storm water drainage and conveyance systems. The RAFTS water resources engineering software has been used in the analysis and management of both urban and rural watersheds and in the design of flood protection systems and the analysis of river systems for over 30 years. **xprafits v7.0** from XP Software has improved upon the original with additional features and enhancements that will revolutionize your urban and rural storm water drainage practice by easily and accurately analysing rainfall and runoff in mixed land use watersheds.

Three levels of hydraulic routing are possible. Manning's formula based lagging in pipes and channels, the Muskingum-Cunge procedure to route hydrographs through channel or river reaches, or the hydrographs may be transferred to **xpswmm** or **xpstorm** for dynamic simulation modelling.

For more information about the uses and abilities of this comprehensive stormwater model, please visit our website at <http://www.xpsoftware.com/products/xprafits.htm>

Version 7.0 adds many new enhancements to this already powerful software:

xprafits allows you to work with your CAD drawings to create a scaled view of the drainage basin being considered. A detailed base map may be used and the drainage network created as a layer on top of your existing map.

xprafits allows Best Management Practices (BMP's) such as advanced Onsite Detention (OSD) as well as roof water tank consideration and analysis. It is suitable for application on catchments ranging from rural to fully urbanised. There is no limitation on catchment size, as it has been successfully used for on-site detention of individual lots and on catchments ranging in area from a few square meters to 20,000 km².

The program is capable of analysing watersheds comprising of natural waterways, formalised channels, pipes, retarding and retention basins, or any combination of these elements.

Many outlet structures can be utilized including:

- Circular pipe culverts
- Rectangular box culverts
- Broad crested weirs
- Sharp crested weirs
- Ogee weirs
- Erodible weirs
- Multi-level weirs
- High level outlets
- Rating curve outlets
- Evaporation
- Infiltration

xprafits can evaluate the effects of floods on major storage dams as well as the effect of a dam break on a watershed. **xprafits** can also be used to facilitate flow forecasting and subsequent floodplain management activities.

xprafits provides detailed graphs of rainfall, rainfall excess, hydrographs including total and local components of the hydrographs. Stage history and storage history are also available for any pond or basin in the drainage system. **xprafits** from XP Software utilises comprehensive tabular reports which may be generated for both the hydrology and the hydraulic results and data.

xprafits takes advantage of Microsoft's Windows facilities and the 32 bit upgrade of the RAFTS analysis engine to allow far larger system analysis over long continuous simulation periods. Version 7.0 works in both Windows XP and Vista Operating Systems.

With your new purchase of **xprafits** v7.0, you also receive one full year of our **xpertcare** maintenance program at no additional cost. **xpertcare** offers upgrade protection, full technical support and additional benefits – ensuring that you can jump right into your project with our full engineering and technical staff at your disposal.

Contact us now for pricing and full program details at the information below.

Model with Confidence using XP Software.



With the release of **xprafits version 7.0**, our public workshop training opportunities are a great source of information. Join us at one of our upcoming **xprafits** training workshops so that you can model with confidence!

Click on the city name to download a e-flyer with details about the training, or call your local sales office to register. ***If you are interested in training, please act soon as classes fill quickly.***

[Brisbane, QLD, Australia](#)

Modelling Water Sensitive Urban Design (WSUD) with xprafits

4 April 2008

The Workshop provides attendees with up-to-date information and techniques on Rafts hydrology (Laurensen) for analysis and management of both urban and rural watersheds and the design of

Perth, WA, Australia

6 June 2008

management of both urban and rural watersheds and the design of flood storages and river analysis works. Particular instruction in the use of **xprafits** from XP Software will be part of this workshop. The instruction will include discussions on the use of the Rafts method to develop stormwater runoff hydrographs, and the formulation of both on-site detention systems up to large retarding basins and channel/pipe systems.

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