TUFLOW-SWMM, the Logical XPSWMM Alternative

XPSWMM is a widely used hydrologic and hydraulic modelling software utilised for urban stormwater and flood analysis. It was born in 2006 when XP Solutions combined TUFLOW's 2D engine with EPA SWMM 1D, packaged within a Graphical User Interface (GUI). Unknowingly, many XPSWMM/XPSTORM users have been running TUFLOW simulations for almost two decades!

Autodesk, the current product owner, are presently working through a process of transferring clients from XPSWMM and XPSTORM to its higher cost and profit product, InfoWorks ICM. Numerous XP users have approached TUFLOW for help in response to the Autodesk directive.

TUFLOW added EPA SWMM as a 1D engine option in 2023. As a result, TUFLOW is the most like-for-like XPSWMM/XPSTORM option available on the market.

TUFLOW is an industry leader in catchment flood and integrated urban drainage modelling. It uses high order solution schemes and advanced topography sub-grid sampling routines to achieve exceptional accuracy. TUFLOW has been at the forefront of GPU compute technology for over a decade, producing simulation speeds orders of magnitude faster than competitors. The software is designed by modellers for modellers who require reliable, workflow efficient tools for engineering and flood management assessments.

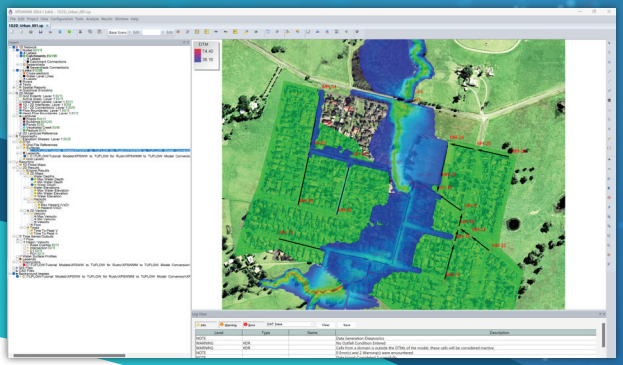
If you owned an XPSWMM or XPSTORM premium or complete licence, without knowing it, 2D royalties for your software purchase were paid to TUFLOW. In recognition of this previous payment, if an organisation who previously owned a eligible perpetual XPSWMM or XPSTORM licence wishes to buy a TUFLOW licence, they are eligible for a TUFLOW discount.

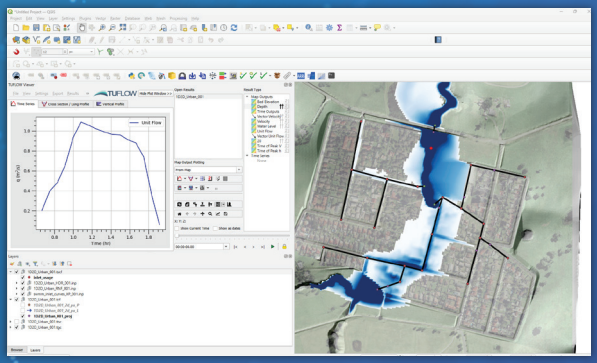
TUFLOW

TUFLOW is the 2D engine within XPSWMM. If you desire like for like results with XPSWMM, TUFLOW-SWMM is your answer!

Why Choose TUFLOW?

- TUFLOW is the 2D engine used by XPSWMM. Unlike other software, like-for-like answers can be obtained using TUFLOW-SWMM.
- XPSWMM writes 2D TUFLOW files. Tools and workflows are available to convert the 1D SWMM elements of XPSWMM to TUFLOW-SWMM, see https://wiki.tuflow.com/XPSWMM_to_TUFLOW-SWMM
- TUFLOW licences are less costly than XPSWMM and InfoWorks ICM, not required during model setup and post-processing, and network licences can be shared company-wide. We also offer perpetual and subscription options: https://downloads.tuflow.com/Licensing/TUFLOW_Fixed_Grid_Modelling_Price_List_USD.pdf
- XPSWMM license holders are eligible for discounts to the TUFLOW list price. These discounts are in recognition of past royalties paid by XP to TUFLOW whenever an XPSWMM or XPSTORM premium or complete licence was sold.



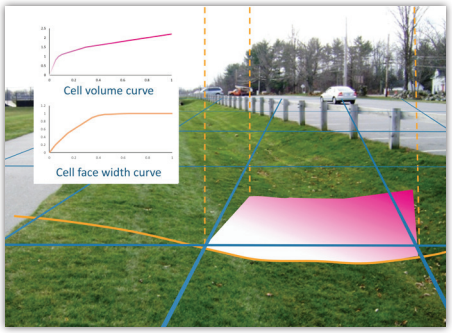


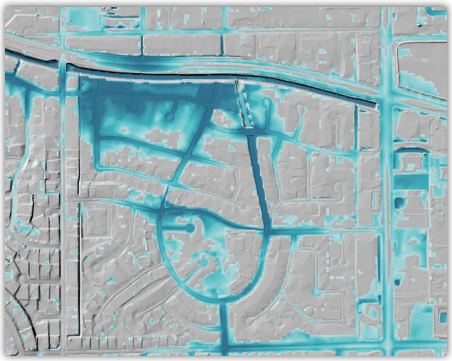
TUFLOW 1D and 2D solvers have been integrated for over 30 years, with continuous developments and enhancements making TUFLOW one of the most accurate and efficient hydraulic solvers available. Specific to integrated urban drainage, TUFLOW includes:

- Multiple 1D solution options. EPA SWMM was added as a 1D engine option in the 2023 release.
- The complete range of sub-surface drainage network infrastructure features, such as pipes, manholes, pits, inlets and SWMM Low-Impact Development (LID) options.Automated model build tools have been created to avoid repetitive manual tasks.
- Powerful scenario and event management.
- GIS for model setup and visualisation, including converting EPA SWMM to and from GIS GeoPackage files.
- Operational regimes for movable (operated) structures.
- Numerous free workflow efficiency tools, such as the QGIS Processing Toolbox and Pipe Integrity Tool. These assist in the development of error free model input datasets.

TUFLOW's engines are extensively benchmarked against both lab scale experiments and real-world historical flood events. The fine resolution modelling results offered by our engines, combined with best in class simulation speed, allows our users to conduct detailed catchment wide urban modelling down to the street and property scale. This type of broadscale, though fine resolution assessment is invaluable for supporting informed urban planning or floodplain management decision making.

If you would like more information, see www.tuflow.com. Alternatively, If you wish to speak with a TUFLOW representative, please email info@tuflow.com .





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