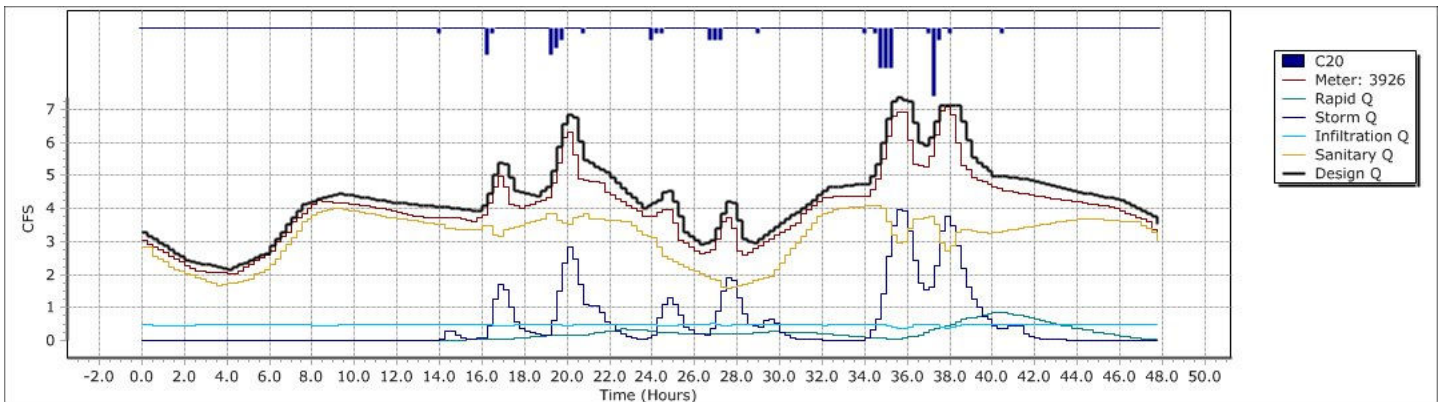# HYDRA®

Version 7.1 Newest Features

March 2013 Software Update: Hydra Interface 7.1.2.0
Hydra 7 Help File update

The latest version of the Hydra® 7 interface includes many new features requested by users, bug fixes, and other improvements.

New Rain Gauge and Flow Meter Features!

Now you can see the rainfall data along with the flow hydrographs in the Hydrograph tab. For gauge-type storm data (multiple hyetographs), the rain meter locations can be displayed in the Plan Window, and the rainfall data for the nearest rain gauge displays with the hydrographs.

There is a new feature to make it easier to compare results hydrographs between different entities or analysis scenarios. A new **"Design Q to Flow Meter"** button in the Hydrograph tab automatically creates a Flow Meter data set for the total hydrograph (Design Q). All you have to do is type in a name for it, and then select it in the **FLOWMETER** field in the collection system layer Properties grid. Then the dark red "Meter" hydrograph will display for that entity.

Critical Depth and Froude Number

By user request, existing pipes (EPI entity type) now output Critical Depth and Froude Number to the data grid in the **Results** tab, **Query Results**, and **Results Export**.

Defects Features Improved

Dialog boxes and menu commands for collection system Defects have been improved. Defects scenarios parameters in Scenario Properties for hydraulic analysis have been expanded and are more fully labeled. There is a new **Browse Defects** window – a spreadsheet-type view of defects records which allows filtering and sorting.

Faster File Save

Users with very large basins in their modeling projects should notice a significant performance improvement for **File Save**.

Query Features Expanded

There are many improvements in the area of Queries, Update Queries, and Selection Sets, including redesigned dialog boxes for querying and updating flow injection data. Now you can more easily query on NULL values (no data has been input) and remove entities from the Selection Set. Several more items have been added to the "**Add All**" to Selection Set feature, including Flow Meters, Pictures, Memos, and Defects.

Updated Hydra 7 Help File

The Hydra 7 Help file has been updated to document the new features added in this release. We have added a section on model calibration, and more troubleshooting topics on hydraulic analysis.

Do you have a feature request? Just let us know!