

HYDRAULIC MODELING - WATER AND SEWER

MODELING SERVICES

- ◆ Construction
- ◆ Maintenance
- ◆ Upgrading
- ◆ Calibration
- ◆ Hydraulic Transient Analysis
- ◆ Model Conversions
- ◆ Scenario Management
- ◆ Infrastructure Assessments
- ◆ GIS
- ◆ Energy Management
- ◆ Skeletonization
- ◆ Operations and Maintenance Assistance

MODELING ANALYSES

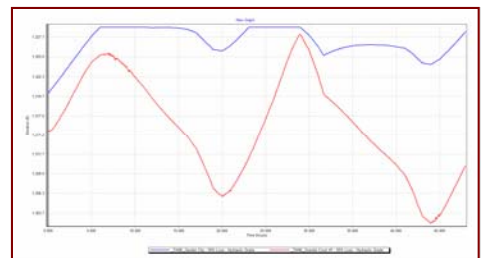
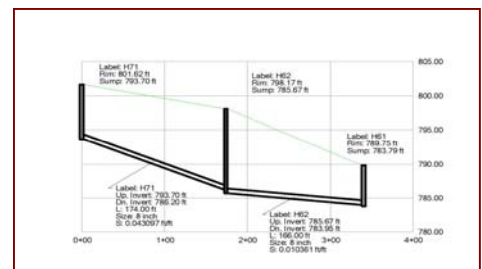
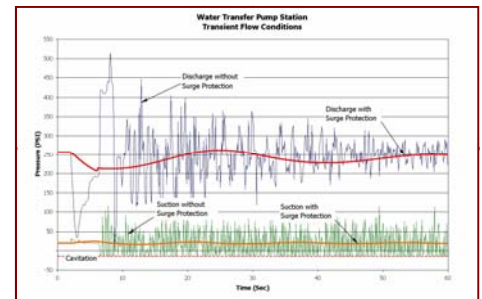
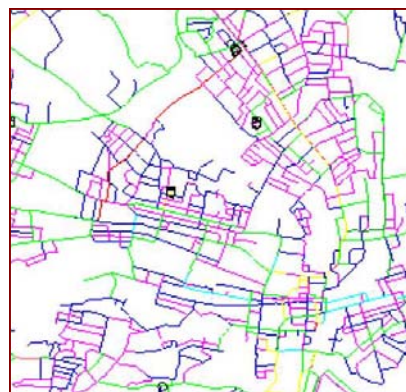
- ◆ IDSE/Water Quality
- ◆ Fire Flow
- ◆ Master Planning
- ◆ Asset Inventory
- ◆ Water Age
- ◆ Constituent Trace
- ◆ Water Audit
- ◆ "What-if" Scenarios
- ◆ Extended Period Simulations
- ◆ Sanitary Sewer Overflows
- ◆ Asset Management
- ◆ System Redundancies

SUPPORT SERVICES

- ◆ Environmental Services
- ◆ Geographic Information Systems
- ◆ Geological/Hydrogeological Services
- ◆ Geotechnical Engineering
- ◆ Site Planning and Engineering
- ◆ Solid Waste Management
- ◆ Structural Engineering
- ◆ Subsurface Utility Engineering
- ◆ Surveying
- ◆ Telecommunications Engineering
- ◆ Transportation Engineering
- ◆ Utilities/Civil Engineering

Hydraulic modeling has been part of Draper Aden Associates' services for over twenty years. Whether your infrastructure data is contained in old record drawings and the memories of retiring operations personnel or in the latest GIS database and ACAD drawings, we have the experts on staff to convert the data into an accurate and calibrated hydraulic model unifying the knowledge and experience of your engineering, operational, billing and planning divisions. The models we create allow multiple analyses to be run in both steady state and extended period simulations to meet your asset management, operational and regulatory requirements.

Operating under the umbrella of our Utilities Division, the modeling services we provide are undertaken by professional engineers with decades of experience in the design, operation, maintenance and management of water and sewer systems. The benefit of this real world experience and working knowledge reveals itself in the efficient construction, calibration and evaluation of the hydraulic models we create and maintain.



SOFTWARE

- ◆ Bentley/Haestad
- ◆ Wallingford
- ◆ MWH Soft
- ◆ ESRI



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