



Case Study Category: MPWW

Case Study Title: Hydraulic model for inflow and infiltration problem of Little Patuxent sewershed at Howard County, Maryland

Utility Name: Howard County

Case Study Abstract: This case study introduces computer model that Gorge, Miles & Buhr, LLC (GMB) developed for the analysis of the impact on the Little Patuxent Sewershed caused by inflow and infiltration. This study involves the data collection and analysis for the sewershed over four-month period using rain gauges and flow meters. The hydraulics in all pipes of 12-inch and larger during storm events were simulated using commercial software developed by GMB. The results of the study showed the inflow and infiltration rate for the Little Patuxent Sewershed and their impact on the collection system during wet weather.

Case Study Link: <http://waterid.org/content/hydraulic-model-inflow-and-infiltration-problem-little-patuxent-sewershed-howard-county-mary>