

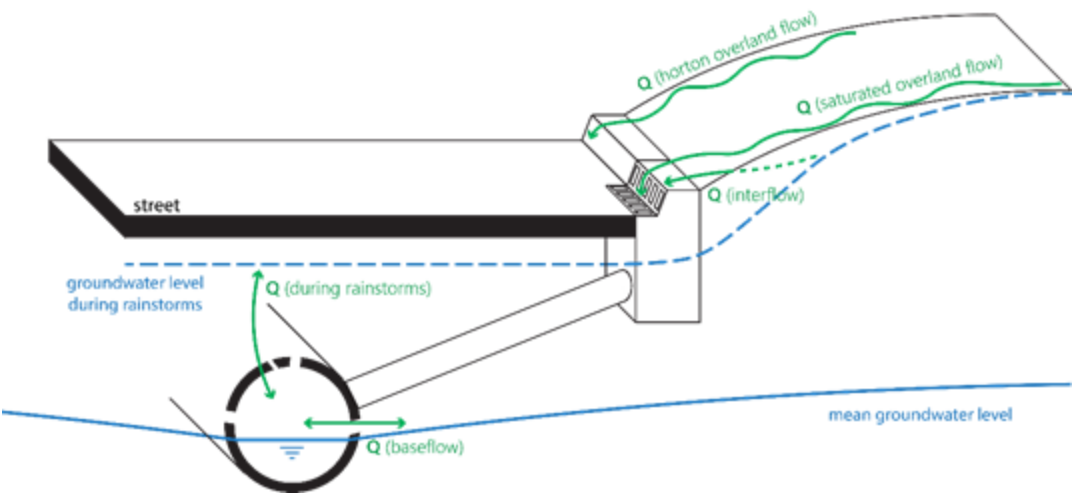
Interaction groundwater-subsurface infrastructure

General	Subsurface	Monitoring	Groundwater	Green infrastructure	Knowledge gaps	Database	Interaction groundwater-subsurface infrastructure
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Introduction

New Orleans is expected to deal with climate events of increasing intensity. In its current state, New Orleans' drainage infrastructure is often overwhelmed by heavy precipitation. However, it is not clear to what extent the storm drainage system relates to groundwater dynamics. For instance, it is unknown whether groundwater is drained by the drainage system, or whether leaky pipes are responsible for groundwater recharge. There is a need for a better understanding of the functioning of the drainage system.

The goal of this sub-project is to obtain a good understanding of the performance of the drainage system in relation to dynamic groundwater behavior, and vice versa, with the intend to provide direction for improvements. The focus is on the Gentilly neighborhood.



Documents

Topic	Link to document
Groundwater drainage in New Orleans (H2O Water Matters, 2023)	Article
Report interaction groundwater-subsurface infrastructure	(Report will be available later)