



# Stormwater Floods Use Cases



## City Planner

“I need a way to see how rainfall effects flooding and water collection in different locations in my city. An easy application where I can input rain amounts and see a visualization of it’s impacts.”

### **Practical Needs**

- Understand impacts of rain fall on urban areas
- Understand impacts of various flood scenarios on urban areas
- See what other municipalities are dealing with
- Engage everyday user ie. Civic Engineer, Home owner.
- Help determine Cost Benefit of Green Infrastructure.

### **Technical Needs**

- Easy to use
- Customizable to my personal needs at a local level
- Ability to view affected areas on a map
- Flood Depth Grid



# Civic Engineer

“I need a way to see how flooding has and could impact the areas I am designing.”

### **Practical Needs**

- Understand impacts of various flood scenarios on urban areas
- Share scenarios and data with clients
- Determine development impact estimates

### **Technical Needs**

- Easy to use
- Customizable to my personal needs at a local level
- Ability to view affected areas on a map
- Ability to save scenarios
- Support HUC codes



# Digital Coast Partner/ Coastal Manager

“I need a way to input data into an application that visualizes it on a map and then I can share it with other coastal managers and the coastal community.”

### **Practical Needs**

- Understand impacts of various flood scenarios in urban areas
- Share scenarios and data with clients
- Create scenarios that help support funding and funding needs

### **Technical Needs**

- Easy to use
- Customizable to my personal needs at a local level
- Ability to view affected areas on a map
- Ability to save scenarios