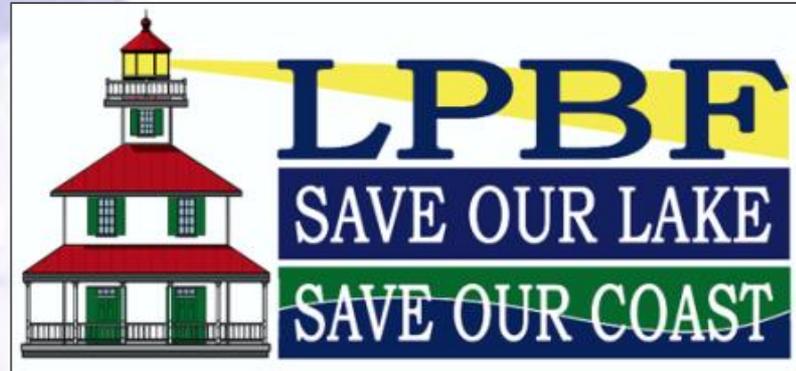


S&WB Green Infrastructure Monitoring Project



Project Purpose

SWBNO received an EPA Urban Waters Small Grant and will partner with NORA, the Lake Pontchartrain Basin Foundation (LPBF), and Louisiana Urban Stormwater Coalition (LUSC) to conduct water quality monitoring at five (5) sites in the Pontilly neighborhood before and after installation of green infrastructure for the Pontilly Rain Water Management Project.

The Project will also engage community volunteers (Rain Rangers) in the Pontilly neighborhood to monitor important visual characteristics of the stormwater runoff. The expected results are that the water quality will improve as the green infrastructure sites are implemented.





MonitID	Latitude	Longitude	Address	Description
1	30.018034	-90.037504	4718 Prentiss Ave	Large bioswale to gather runoff form north side of Pontilly
2	30.015528	-90.033394	5049 Dreaux Ave	Catch basin near most flood prone area
3	30.010128	-90.037974	Mirabeau and Louisa	Box culvert under intersection with 4 corner bumpouts
4	30.013806	-90.044537	Seminary Pl at Dwyer Canal	Outfall into Dwyer Canal
5	30.008555	-90.040262	4834 Feliciana Dr	Stormwater lot rain garden site

Program Objectives	Outputs/Activities	Expected Outcomes
<p>Monitor the efficacy of FEMA Hazard Mitigation Grant to reduce and treat stormwater runoff.</p>	<ul style="list-style-type: none"> • Baseline data • Pre and post BMP data • Aggregate data 	<ul style="list-style-type: none"> • Analysis of data to measure effectiveness of GI on water quality. • Data to show reduced stormwater runoff • Data to show improved water quality
<p>Cultivate knowledgeable and engaged public that takes personal responsibility and advocates for stormwater management.</p>	<ul style="list-style-type: none"> • Educational materials • Workshops 	<ul style="list-style-type: none"> • Increased knowledge of community on water quality issues measured by attendance at workshops, newsletter recipients, and Facebook likes.
<p>Monitoring will validate the green infrastructure approach set forth by the Greater New Orleans Urban Water Plan and EPA Urban Waters Partnership.</p>	<ul style="list-style-type: none"> • Recommendations for BMP design • Workshops 	<ul style="list-style-type: none"> • Increased knowledge of GI effects on water quality by stormwater managers measured by workshop attendance • Increased experience of landscape architects and engineers in monitoring protocol
<p>Establish neighborhood “Rain Rangers” to visually monitor GI during rain events.</p>	<ul style="list-style-type: none"> • Teaching workshops for middle school students • Number of Rangers 	<ul style="list-style-type: none"> • Increased knowledge of GI by middle school students measured by number of Rain Rangers

Status / Next Steps

- QAPP
- Baseline Sampling/Monitoring
- Outreach
- Rain Rangers
- Construction Schedule

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