Florida Department of Environmental Protection



Northwest District 2019 Environmental Stewardship Awards Nominations must be received by

Nomination Form

Nov. 1, 2019

Please complete this nomination form and include with any supporting documents you wish to provide. Submissions can be made by mail to:

Florida DEP Northwest District Office Attention: Ashley Livingston 160 W. Government St. Suite 308 Pensacola, FL 32502

Or by email to: Ashley.Livingston@FloridaDEP.gov

I. Nominated entity information:

Name of entity being nominated: Address:

Contact Person:

Contact Phone:

Contact Email:

II. Nominator information: (if not the same)

Same as above (*skip to part III*)

Name of nominator:

Address:

Contact Person:

Contact Phone:

Contact Email:

- **III.** Please **use the space below to** explain briefly **how your** nominated entity demonstrates significant **and** measurable achievements that provide a direct benefit to our environment in one or more of the following categories:
 - Reducing environmental impacts
 - Conserving resources
 - Enhancing ecosystems
 - Restoring impacts

(Space is limited to 6,000 characters)

IV. Please explain activities taken by the nominated entity beyond measures required by permit or rule that demonstrate responsible use and protection of the natural environment through conservation and sustainable practices.

(Space is limited to 6,000 characters)

V. Please explain how the entity being nominated demonstrates an organizational culture of environmental stewardship.

(Space is limited to 6,000 characters)

VII. Please explain how the entity being nominated provides environmental education and outreach.

(Space is limited to 6,000 characters)

VIII. Please explain how the entity being nominated demonstrates innovation and exceptional achievement in environmental stewardship.

(Space is limited to 6,000 characters)

The City of Pensacola Five-Year Capital Improvement Plan is documentation that the City is committed to long-term stormwater/water quality improvement projects.

	PROJECT	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
1	Clubbs Street Outfall to Pensacola Bay		45,000	482,800		
2	Bayou Blvd, Lee, Lloyd and Stanley St. Outfalls to Bayou Texar	60,000	415,000			
3	Land Acquistion for Stormwater Facility Sites	50,000	50,000	50,000	50,000	50,000
4	9th Avenue Outfall to Pensacola Bay			75,000	750,000	
5	Bayou Blvd, Perry, Blount and Avery St. Outfalls at Bayou Texar	55,000				425,000
6	Scott, Yates, Lakeview and Strong Outfalls at Bayou Texar	65,000	412,000			
7	E. Cross, Yates, Escambia and Osceola Outfalls at Bayou Texar	460,000				
8	Texar Drive, 17th and 18th Avenue Outfalls at Bayou Texar	445,000				
9	Scenic Heights Discharge (Langley into Escambia Bay)	50,000				
10	Stormwater Vaults Citywide	296,100	296,100	321,100	321,100	321,100
11	Davis Hwy @ Carpenter's Creek (North Side)	415,000				
12	Stormwater Capital Maintenance	350,000	375,000	375,000	375,000	375,000
13	NPDES Permit Monitoring	115,000	125,000	125,000	125,000	125,000
14	Alcaniz Street Outfall to Pensacola Bay	75,300	618,300			
15	South 'E' and 'F' Street Outfalls to Pensacola Bay		45,000	490,300		
16	Spring Street Outfall to Pensacoa Bay		55,000	517,200		
17	East and West Cervantes Outfalls at Bayou Texar Bridge				500,000	
18	Cordova Square Pond at 12th Avenue Pond Rehabilitation				315,300	
19	Cove, Endor and Hyde Park Road Outfalls at Bayou Texar					500,000
20	Spring Street Pipe Rehabilitation					640,300
21	Stormwater Grant Match-Funding	140,000	140,000	140,000	140,000	140,000
	TOTAL FOR STORMWATER PROJECTS	2,576,400	2,576,400	2,576,400	2,576,400	2,576,400

Recent Capital Projects

 19th Ave. and Blackshear Ave. Outfall at Bayou Texar 	\$	918,455
 Bayou Chico North Stormwater Enhancement 	\$	304,319
 Bayou Chico South Stormwater Enhancement 	\$	192,060
 Clematis Street at Carpenter Creek Stormwater Enhancement 	\$	414,589
 Baywoods Gully Erosion Stabilization 	\$	315,553
 12th Ave. @ Bayou Texar Stormwater Enhancement 	\$1	,047,455
 Desoto Street @ Bayou Texar Stormwater Enhancement 	\$	373,666
 Northmoor Court Stormwater Enhancement 	\$	62,288
 'B' and Main Street Stormwater Enhancement 	\$	171,131
 Davis Hwy @ Valley Drive Stormwater Enhancement 	\$	375,505
 Manolete Drive Stormwater Enhancement 	\$	304,889
 Carpenter Creek at Bayou Blvd Stormwater Enhancement 	\$	293,763
 Bayou Drive @ Bayou Chico Stormwater Enhancement 	\$	257,745
 Bayou Blvd at Tyler Stormwater Enhancement 	Ś	793,780
Carpenter Creek @ 9th Avenue Stormwater Enhancement	Ŝ	343,609
Gaberonne Swamp Stormwater Improvements	\$1	.246.381
 Woodcliff Dr. at Livingston Outfall Stormwater Enhancement 	\$	363.286
Pipe Rehabilitation Project A Street	Ŝ	875,997
	•	
Total ¢9	6	54 474
	,0:	54,471
PENSA		



Recent Grant Emergency Repair Projects: Completed, Current, and/or Funded



STORMWATER POND PARKS

The Regional Stormwater Pond at Bill Gregory Park

The Regional Stormwater Pond at Bill Gregory Park features a two-tier treatment train system which removes debris and contaminants from previously untreated storm water runoff from 37 acres of highly-populated subdivisions and businesses before it enters Bayou Chico. The ecologically-enhanced detention pond is 2.5 acres and is now home to a variety of plants, birds, and other aquatic animal species. It features an ADA-accessible walking trail, bike rack, benches, trash receptacles, stormwater treatment vault, fountain feature within the stormwater pond, littoral plantings, landscape architecture, and a parking lot with permeable paving.



Regional Stormwater Pond at Bill Gregory Park. The park has a multi-use path, boardwalk over quality wetlands, educational signage, fountains, benches, waste receptacles, and a pervious-pavement parking lot.





"R" Street at Maggie's Ditch Stormwater Improvements



Above: Underground treatment vault being installed at "R" Street and Maggie's Ditch.



Above: A field of gravel softens the impact of stormwater flowing from the street towards Maggie's Ditch and accommodates the vacuum truck that will maintain the stormwater vaults under the park. The outdoor classroom is in the center of the image, backed by stamped metal flowers mounted on the fence. Attractive landscaping and a gently sloping walkway with ADA compliant walkway with handrails make the "R" Street at Maggie's Ditch park inviting and accessible to everyone.



Government Street Regional Stormwater Pond at Corinne Jones Park. Note new development, La Feliciana subdivision, north (left) of the pond.

During data collection for the Government Street Regional Stormwater Pond at Corinne Jones Park design phase it was

determined that a monitored pesticide contamination plume had higher levels of contamination than expected at the project site. The contamination source was the former Escambia County Mosquito Control Division, located on an adjacent parcel. Escambia County had developed and implemented a remedial action plan in 2010. Dewatering during construction of the Government Street Regional Pond resulted in more than 40.1 million gallons of highly polluted groundwater being filtered and decontaminated, which accelerated the plume cleanup. By 2016 the contamination level had been halved, and all soil samples taken from the site had tested below the State's Contaminated Site Cleanup Criteria levels. 2018 Florida Stormwater Association Project Excellence Award winner.

Cameron-Cole

MEMORANDUM

- TO: Brad Hinote, P.E. City of Pensacola, Engineering Department
- CC: Glenn Griffith Escambia County Brownfields Coordinator
- FROM: John Bondurant Cameron-Cole, LLC
- DATE: February 3, 2017
- RE: Dewatering Treatment System Supporting Documentation Government Street Regional Stormwater Pond at Corinne Jones Park FDEP Permit No.: FLG07165-001-IWDE-GE

Please find attached for your records, copies of the Dewatering Permit and supporting documentation associated with the operation of the dewatering treatment system utilized during construction of portions of the above referenced project. This documentation is also included in the Operation and Maintenance Annual Report for the former Escambia County Mosquito Control Brownfields site that is to be submitted to the Northwest District Office of the Florida Department of Environmental Protection (FDEP). The documentation includes copies of the FDEP Remedial Action Plan Modification (RAPM) approval letter, the Notice of Intent (NOI) to utilize the Generic Permit for Discharge of Ground Water from Dewatering Operations, and the Generic Permit for Discharge of Ground Water from Dewatering Operations issued by the FDEP. Tables summarizing the required permit monitoring parameters, dewatering system flow data, laboratory analytical results, and contaminant mass removal calculations are included. Copies of each laboratory analytical report are also included, as well as the Notice of Termination (NOT) for the Generic Permit for Discharge of Ground Water from Dewatering Operations which was effective December 30, 2016. During three months of operation, the treatment system successfully remediated more than 40 million gallons of contaminated groundwater recovered during the construction of the West Pond basin with no permit excursions.

Admiral Mason Stormwater Pond Park

Admiral Mason Stormwater Pond Park provides stormwater management facilities for approximately 31 acres of downtown Pensacola. Park landscape and hardscape designs are intended to soften the impact of this large-scale stormwater management facility and to transform it into an amenity with littoral plantings and fountain features. Walkways, benches and landscaping have been provided for the enjoyment of park visitors and to provide a tranquil environment for those visiting the adjacent memorial parks. The design includes winding pedestrian pathways for jogging and walking, an entry plaza, and street furnishings and street lighting compatible with the furnishings used in the adjacent Pensacola Technology Campus. Care was taken in the design to honor the military monuments of the remaining portion of Veterans Memorial Park. The park plan was integrated with the existing Veterans Park and pedestrian facilities along Bayfront Parkway. All areas of the park have views of the on-site lake and Pensacola Bay.



Above: Admiral Mason Stormwater Pond Park, 2012 Florida Stormwater Association Project Excellence Award winner.

BAYWOODS GULLEY

Baywoods Gulley was the site of massive erosion that was threatening homes, transportation routes (Scenic Highway and the CSX railroad tracks) and sending tremendous amounts of sediment directly into the Pensacola Bay system. These images demonstrate the seriousness of the erosion.



Far left: Erosion in Baywoods Gulley. upper left- shovel buried in fugitive sediment; lower left- fugitive sediment from gulley erosion. The railroad tracks in the lower picture are across Scenic Highway from the Gulley, and immediately adjacent to the Bay shoreline.

Emergency grants from FEMA and NRCS supplemented the City's stormwater budget and enabled the City to make repairs, remove the sediment, and mitigate future erosion.

GABERONNE SWAMP – SPANISH TRAIL

The City submitted a 319h grant proposal for a series of projects to improve the water quality of Pensacola Bay. The Florida Department of Environmental Protection (FDEP) was so pleased with the proposal that in addition to granting the \$200,000 request, they invited the City to upgrade the application and reapply, and then granted that request as well.

The goal of the Gaberonne Swamp/Spanish Trail projects is to reduce pollutant loadings into the swamp, restore the swamp back to its original condition, and reduce sediment deposition into the swamp. Gaberonne Swamp is a filter for

water prior to entering Pensacola Bay. Restoring the swamp will improve water quality in Bay and help to restore sea grasses.





Left: Spanish Trail Pond Expansion at the Pensacola International Airport. Above, right: Sediment buildup in Pensacola Bay at the outfall directly opposite the Gaberonne Swamp system

PROPRIETARY STORMWATER VAULTS

These examples are just a few of the more recent installations of the 87 proprietary units installed in the City of Pensacola.





Ninth Avenue and Texar Drive.

Davis Highway at Valley Drive.



Carpenter Creek and Bayou Boulevard.



Cypress Street.



A sample of typical pollutants trapped by a proprietary unit before it could enter area waterways.

EDUCATION



Left: Educational signage at Chimney Park, across the street from the Langley/Scenic Highway stormwater pond, and adjacent to the Gaberonne Swamp System and Pensacola Bay





Above: Examples of educational signage at Government Street Park at Corinne Jones Park. Below: Signage at Bill Gregory Park.

