



THE RIVER ACCORD

A PARTNERSHIP FOR THE ST. JOHNS

City of Jacksonville Stormwater Management

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Since summer 2006, the City of Jacksonville has strengthened its stormwater management program to more fully address the needs of the St. Johns River. The city has focused on improvements through participation in basin management planning, implementation of dedicated funding for stormwater projects, improved floodplain management, and specific stormwater projects to address drainage and water quality concerns in the basin.

The city has been an active member in the Lower St Johns River Basin (LSJRB) Total Maximum Daily Load (TMDL) Executive Committee since its inception in 2002. This committee is developing a Basin Management Action Plan (BMAP) that will provide the framework for project implementation in the LSJRB to meet the TMDLs necessary to improve river health. Through its participation in the LSJRB TMDL Executive Committee, the city has provided input on the basin-wide actions needed to reach the collective goal of a healthy St. Johns River. The goals set forth in the LSJRB BMAP will provide the basis for the city's future stormwater management actions.

In September 2007, the City of Jacksonville authorized the implementation of the Jacksonville Stormwater Utility (JSU). This entity is responsible for the assessment and collection of a stormwater fee applied to residential and non-residential properties based on the parcel's impervious area and administration of those funds to implement stormwater management projects. The implementation of a dedicated stormwater funding source will enable the city to reliably prioritize and fund long term implementation plans for stormwater management projects.

Complimenting the implementation of the JSU, the city is currently updating its Master Stormwater Management Plan (MSMP). The MSMP update includes detailed modeling of more than 60 tributaries in the LSJRB, identification of water quality, flooding and drainage related issues in each sub-basin, and prioritization of projects to address these issues. Along with the nutrient reduction goals set forth in the LSJRB BMAP, the MSMP will provide the roadmap for implementing successful stormwater management projects that address larger scale drainage and water quality issues for the St. Johns River and its tributaries.

Since 2006, the City has completed or initiated 18 stormwater management projects (table below). These projects represent a combination of drainage, flood control, water quality and erosion control projects. In some instances, these projects have provided stormwater management to areas that previously received no water quality treatment. As the city moves forward with implementing additional stormwater management projects, the MSMP and nutrient reduction goals identified in the LSJRB BMAP will direct the scale and location of these efforts.

PROJECT	Drainage Basin	Status	Treatment
Hugh Edwards Road Drainage	Cedar River	Design	Erosion Control
Melba/ Green Street	McCoys Creek.	Bidding	Wet Detention
Newtown Drainage main trunk-line Imp. (Myrtle and Beaver)	McCoys Creek.	Design	Flood Control Only
Orange Picker Road Drainage (Flynn to Brady)	Orange Pickers Basin	Completed	Flood Control Only
Pine Forest/Larsen Acres	New Rose Creek.	Bidding	Wet Detention
Pinedale Area	Cedar River	Bidding	Wet Detention
Putnum/Hudnall Area Drainage	Little Pottsburg Creek.	Under Construction	Wet Detention
Riverview Area Drainage (North)	Trout River	Completed	Wet Detention
Riverview Area Drainage (South)	Ribault River	Design	Flood Control Only
Sherwood Forest Area Drainage	Trout River	Completed	Flood Control Only
V. C. Johnson Drainage	Trout River	Completed	Wet Detention
Venetia Terrace Drainage	Ortega River	Design	CDS Unit
Woodland Acres/Oakwood Villa Area Drainage Phase 1	Strawberry Creek.	Under Construction	Wet Detention
Sandalwood Canal	Hogpen Creek	Under Construction	Erosion Control and Wet Detention
103rd Street Regional Stormwater Facility	McGirts Creek	Under Construction	Wet Detention

In addition to the capital improvement projects detailed in the table above, the city is pursuing legislation to improve management of the floodplains in Duval County. Acting as a Cooperative Technical Partner (CTP) with the Federal Emergency Management Agency (FEMA), the city is in the process of updating the Flood Insurance Rate Maps (FIRMs) for Duval County. These maps, which have not been updated since 1989, will provide the basis for revised ordinances for floodplain management. Proactive floodplain management of this type allows effective development within the floodplain, which contributes to improvements in both water quantity and water quality.

Through participation in basin management planning, implementation of dedicated funding for stormwater projects, improved floodplain management, and specific stormwater projects to address drainage and nutrient concerns in the basin, the City of Jacksonville has taken an active role in stormwater management in the LSJRB.

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