

WMD	SPRING	PROJECT NAME	PRIMARY PROJECT TYPE	PROJECT DESCRIPTION	TOTAL COST <i>*Total project cost may encompass more than one fiscal year</i>	FDEP SPRINGS FUNDING REQUIRED	LOCAL MATCH AMOUNT	WMD MATCH AMOUNT	LBS NUTRIENTS REMOVED PER YEAR	ANTICIPATED WATER QUANTITY BENEFIT - MILLION GALLONS PER DAY (MGD)
SJR	VOLUSIA BLUE SPRING	Volusia AWT for the Protection of Blue Springs WQ and Supply	AWT_OR_TREATMENT_UPGRADE	The project will upgrade and expand the advanced wastewater treatment system from the existing 1.7 million gallons per day (MGD) to 2.7 MGD, increasing capacity for future septic removal and further reducing nutrient loading into Volusia Blue Spring by approximately 41,000 pounds per year. In addition, the project will reduce groundwater withdrawals, helping to preserve the ecosystem and protect the spring.	\$12,129,500	\$2,000,000	\$1,879,500	N/A	41,000	0.22
SWF	WEEKI WACHEE SPRING GROUP	Hernando County's Package Plant Connection Project	AWT_OR_TREATMENT_UPGRADE	The project will connect several private wastewater package plants within the Weeki Wachee, Homosassa and Aripeka springsheds to Hernando County's central wastewater collection system reducing nutrients by approximately 1,369 pounds per year. The project will also result in additional reclaimed water for beneficial reuse.	\$3,689,270	\$3,432,970	\$256,300	N/A	1,369	
SJR	SPRINGS OF WEKIVA RIVER	Orange Blossom KOA Package Sewage Treatment Plant Elimination and Central Sewer Connection	AWT_OR_TREATMENT_UPGRADE	The project will connect the Orange Blossom KOA RV park's sewer system to the City of Apopka's central sewer system, eliminating the RV park's aging 15,000 gallon per day wastewater treatment facility. The project will reduce nutrient loading by approximately 825 pounds per year and benefit nearby Lake Apopka, Wekiva Springs and groundwater sources.	\$166,275	\$34,425	\$97,425	\$34,425	825	

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SR	FANNING SPRINGS	City of Chiefland Nutrient Reduction-Biosolids Treatment unit Replacement Project	AWT_OR_TREATMENT_UPGRADE	The project will reconstruct the City of Chiefland's aged biosolids treatment unit (digester). The project will include two new tanks and other equipment to better treat the biosolids, which will reduce nutrient loading to the aquifer, which flows to the Suwannee River, by approximately 600 pounds per year.	\$418,400	\$376,560	\$41,840	N/A	600	
NWF	WAKULLA SPRING CLUSTER	Advanced Septic Systems Pilot Project	AWT_OR_TREATMENT_UPGRADE	The pilot project will design and install individual advanced septic systems within the Wakulla BMAP Priority Focus Area 1. This project is a partnership with Leon and Wakulla Counties, the Florida Department of Health, the Florida Department of Environmental Protection, and the Northwest Florida Water Management District. The pilot project will provide information on feasibility and nutrient reduction associated with advanced septic system, but is estimated to reduce nutrients by 1,355 pounds per year.	\$1,500,000	\$1,500,000	N/A	N/A	1,355	
NWF	WAKULLA SPRING CLUSTER	Septic Connection to Existing Sewer in the Wakulla BMAP	SEPTIC_TO_SEWER	The project will connect up to 130 homes currently on septic tanks to the existing central sewer system within the City of Tallahassee and the priority area for the Wakulla Springs. The anticipated nutrient load reduction is 2,526 pounds per year.	\$2,587,000	\$637,000	\$1,950,000	N/A	2,526	

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NWF	WAKULLA SPRING CLUSTER	Woodville Sewer System Project Phase I	SEPTIC_TO_SEWER	The project will design and permit a central sewer system to service approximately 1,500 homes in south Leon County currently on septic tanks. This is Phase 1 of a multi-phase project and is anticipated to reduce approximately 29,142 pounds per year of nutrients from the Wakulla Springs priority area.	\$3,000,000	\$1,500,000	\$1,500,000	N/A	29,142	
NWF	JACKSON BLUE SPRING	Blue Springs Road Sewer Project	SEPTIC_TO_SEWER	The project will design, engineer, permit and construct an extension of central sewer service to Blue Springs Recreational Area and approximately 82 homes in the Blue Springs area. The project will also include removing the public park septic tank at Jackson Blue Spring, and provide sewer service to homes adjacent to Merritt's Mill Pond. The anticipated nutrient reductions from this project are 1,125 pounds per year.	\$3,401,200	\$3,401,200		N/A	1,125	
SR	HART SPRINGS	Hart and Otter Springs Water Quality Improvement Project	SEPTIC_TO_SEWER	The project will decommission the existing septic tanks at Otter Springs Park and remove the drain fields, connect nearby existing homes currently on septic tanks to the wastewater collection system, and decommission the existing wastewater package plant and sprayfield at Hart Springs Park. The three-phase project will connect both Otter and Hart springs to the City of Fanning Springs' wastewater treatment plant providing an estimated 1,724 pounds per year of nutrient reductions.	\$5,979,740	\$1,779,890	\$50,000	N/A	1,724	

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SWF	KINGS BAY SPRINGS GROUP	City of Crystal River - Indian Waters Sewer Expansion	SEPTIC_TO_SEWER	The project will design, permit and construct the municipal sanitary sewer system for the Indian Waters area of Crystal River. The project will include sewer pipe and components necessary to connect septic system users to the City of Crystal River's central sewer system, and allow for the conversion of up to 95 residential septic systems to the city's sanitary sewer. The project will also increase the amount of reclaimed water available for use by Duke Energy plant scrubbers, minimizing groundwater use.	\$1,000,000	\$900,000	\$100,000	N/A	1,870	
SWF		Septic Tank Removal at Crystal River Preserve State Park	SEPTIC_TO_SEWER	The project will design, permit and construct the removal of existing septic tanks at Crystal River Preserve State Park, and connect the park to the city of Crystal River's sanitary sewer system. The project will have the capacity to add future septic tanks from neighboring waterfront communities, and result in an increase in the availability of reclaimed water for Crystal River customers. The project is anticipated to reduce 100 pounds of nutrients per year.	\$850,000	\$850,000	N/A	N/A	100	
SR	FANNING SPRINGS	Fanning Springs Wastewater Collection System Extension Phase IV	SEPTIC_TO_SEWER	The project will expand the City of Fanning Springs' sewer system eliminating and preventing 198 septic tanks, reducing nutrient loading to Fanning Springs. This is Phase 4 of the Fanning Springs Sewer Expansion Project. and is anticipated to reduce approximately 4,554 pounds per year of nutrients from Fanning Springs.	\$6,499,600	\$3,355,100	\$7,048,032	\$278,000	4,554	

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SR	POE SPRING	High Springs Wastewater Collection System Extensions- Phase A1	SEPTIC_TO_SEWER	The project will provide central sewer service to the remaining areas of the City of High Springs curenly on septic, reducing nutient loading to the Santa Fe watershed area, and Horsby and Poe springs. The project is anticipated to eliminate 132 septic tanks and reduce nutrients by 2,640 pounds per year.	\$3,432,700	\$3,307,700	\$125,000	N/A	2,640	
SJR	SPRINGS OF WEKIVA RIVER	City of Longwood Island Lake Septic Tank Connection/Removal	SEPTIC_TO_SEWER	The project will provide sewer service and eliminate 100 residential septic tanks within the City of Longwood, located within the Wekiva Springs springshed. The anticipated nutrient reduction associated with this project is 3,100 pounds per year.	\$4,096,218	\$864,580	\$2,367,058	\$864,580	3,100	
SWF	WEEKI WACHEE SPRING GROUP	Hernando County - Oakley Island Sewer Infrastructure Installation	SEPTIC_TO_SEWER	The project will design, permit and construct a municipal sewer system in the Weeki Wachee Springs area. The project will eliminate approximately 15 septic tanks and connect the county park to the county's sewer system. The project will also result in additional reclaimed water for beneficial reuse and reduce nutrients by approximately 338 pounds per year.	\$578,760	\$491,160	\$87,600	N/A	338	

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NWF	GAINER SPRINGS GROUP	Gainer Springs Land Acquisition	LAND_PURCHASE	The project is for the acquisition of up to 942 acres and spring bank restoration at the first magnitude springs complex along Econfina Creek in northern Bay County through a fee simple and less-than-fee simple conservation easement. The project will help protect natural systems and reduce erosion to Gainer Springs Group.	\$6,000,000	\$6,000,000	N/A	N/A		
NWF	CYPRESS SPRING	Cypress Spring Protection and Restoration	LAND_PURCHASE	The project is for the acquisition of up to 308 acres at the second magnitude spring along Holmes Creek in central Washington County through a fee simple and less-than-fee simple conservation easement. The project will also include restoration and access improvements, helping to protect natural systems and reduce erosion to Cypress Spring.	\$1,100,000	\$1,100,000	N/A	N/A		
SR	ICHETUCKNEE SPRINGS GROUP	Agricultural Springs Pilot Program - Low Input Agriculture and Land Conservation	OTHER	The project will incentivize low-nutrient land-uses through contracts, easements and acquisitions, while maintaining a strong, sustainable agricultural industry and private land ownership. The project is anticipated to reduce nutrients by 375,000 pounds per year and conserve approximately 5.10 million gallons per day of water.	\$5,000,000	\$5,000,000	N/A	N/A	375,000	5.10
SWF	KINGS BAY SPRINGS GROUP	Reclaimed Water Interconnection to City of Crystal River/Duke Energy	RECLAIMED_REUSE	The project will design, permit and connect the Meadowcrest wastewater treatment facility's reclaimed water to the City of Crystal River's reclaimed water line that delivers water to the Duke Energy Complex. The project will provide 440,000 gallons per day of reclaimed water. In addition, the project will provide approximately 13,000 pounds per year in nutrient reduction benefitting Kings Bay	\$6,573,625	\$4,290,000	\$2,283,625	N/A	13,000	0.44

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SJR	VOLUSIA BLUE SPRING	City of Deland FY 16/17 Reclaimed Water Retrofit Project, Phase 1	RECLAIMED_REUSE	The project will retrofit 195 homes in three Deland neighborhoods to provide reclaimed irrigation supply. The City of Deland's Reclaimed Water Master Plan includes five phases (through 2020). This Phase 1, stand-alone project will conserve approximately 0.12 million gallons per day of water benefitting Volusia Blue Spring.	\$1,212,000	\$303,000	\$606,000	\$303,000		0.12
SJR	VOLUSIA BLUE SPRING	City of DeLand FY16-17 Reclaimed Water Retrofit Proj Ph2B	RECLAIMED_REUSE	The project will retrofit two Deland neighborhoods to provide reclaimed irrigation supply in 215 homes currently served with potable irrigation meters. The City of Deland's Reclaimed Water Master Plan includes five phases (through 2020). This Phase 2B project includes the targeted areas of the Waterford and Heather Glen subdivisions, and will benefit Volusia Blue Spring.	\$1,518,750	\$379,688	\$759,375	\$379,688		0.13
SJR	VOLUSIA BLUE SPRING	Deltona Alexander Avenue Water Mgmt Site: WVWS Project #4A-Deltona Storage/Treatment	ALT_WATER_SUPPLY	The project will construct a 3 million gallon per day raw water storage tank for stormwater and future surface water and a 1 million gallon per day reclaimed water tank, as well as treatment for both tanks. Reclaimed water from the Deltona Lake and Eastern Water Reclamation Facility as well as stormwater and flood water will provide reclaimed water to this system. The project will conserve approximately 4 million gallons per day of water.	\$9,700,000	\$1,875,000	\$5,950,000	\$1,875,000		4.00

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SJR	SILVER SPRINGS GROUP	Silver Springs Forest Hydrologic and Springs Restoration Project	GW_RECHARGE	The project will restore and enhance groundwater recharge and surface water hydrology through a passive recharge well and existing recharge basins. By reducing turbid water discharges to the silver river, the project will reduce nutrient loading by up to 13,000 pounds per year. In addition, the project will provide 5.0 million gallons per day water conservation and help restore flow, benefitting the Silver Springs Group and Upper Floridan aquifer.	\$2,370,000	\$475,000	N/A	\$1,895,000	30,000 to 150,000 lbs/yr TSS; 300 to 1,500 lbs/yr TP; and 2,300 to 11,500 lbs/yr TN	5.00
SR	FANNING SPRINGS	Lower Suwannee Drainage Basin Aquifer Recharge	GW_RECHARGE	The project will restore approximately 500 acres of sand ponds and rehydrate approximately 1,250 acres of wetlands by re-establishing natural flow through natural recharge features and an aquifer recharge well. The project will conserve approximately 3.26 million gallons per day in water supporting water supply and spring flow of Fanning Springs and the Lower Suwannee River.	\$2,406,359	\$2,200,000	\$63,359	\$143,000		3.26

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SR	ICHETUCKNEE SPRINGS GROUP	Ichetucknee Trace - Clay Hole Creek/Alligator Lake Aquifer Recharge and Stormwater Mitigation	GW_RECHARGE	Based on national stormwater data, this project will reduce nutrient loading by roughly 30,000 pounds per year and better manage up to 14.8 million gallons per day of stormwater and surface water runoff, increasing benefits to the Ichetucknee Springs Group, with a minimum recharge benefit of 4 million gallons per day.	\$2,560,000	\$2,260,000	\$300,000	N/A	Approx. 30,000 pounds of nitrogen per year	4.00
SR		Cow Pond Drainage Basin Aquifer Recharge Project	GW_RECHARGE	The project will re-establish natural drainage patterns and use natural recharge features and aquifer recharge wells to enhance aquifer recharge and rehydrate wetlands and currently dry lakes in the Lower Suwannee Drainage Basin. The project will restore approximately 300 acres of sand ponds and rehydrate approximately 1,750 acres of wetlands while conserving approximately 1.69 million gallons per day of water.	\$1,600,000	\$1,500,000	\$50,000	\$50,000		1.69
SR		Dairy Wastewater System Improvement	AWT_OR_TREATMENT_UPGRADE	The project will provide cost share funds to dairies throughout the watershed to improve their wastewater systems. The project will result in approximately 10,000 pounds of nutrient reductions each year in addition to conserving approximately 0.14 million gallons per day of water. The project will include investments in advanced treatment technologies (bioreactors), additional wastewater storage and advanced manure solid separation.	\$1,800,000	\$1,500,000	\$300,000	N/A	10,000	0.14

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NWF	JACKSON BLUE SPRING	Jackson Blue Spring Agricultural BMP Producer Cost Share Grant Program	BEST_MGMT	The project will continue an agricultural best management practices cost share program in the Jackson Blue Spring basin by assisting approximately 32 producers with retrofits to improve water quality and quantity, helping to protect the first magnitude spring. The project is estimated to reduce nitrogen application by more than 10 percent.	\$1,333,333	\$1,000,000	\$333,333	N/A	200,000	
SR	ICHETUCKNEE SPRINGS GROUP	Agricultural Springs Pilot Program - Advanced Water Quality Improvement Technologies	OTHER	The project will invite landowners, government, private, and/or other entities to submit proposals outlining advanced water quality improvement technologies that can cost effectively reduce nutrients in groundwater that contributes to spring flow. Technologies could include processes that use pump and treat, permeable reactive barriers, wood chip bioreactors, denitrification, wetland treatment, advanced animal wastewater treatment, and other technologies. The project is anticipating 66,000 pounds of nutrients per year.	\$1,000,000	\$1,000,000	N/A	N/A	66,000	
SJR	SILVER SPRINGS GROUP	Marion County CP #77: Retrofit of DRAs 7244 and 7396	STORMWATER	The project will retrofit two drainage retention areas (DRAs) in Marion County and the Silver Springs watershed with Bold and Gold (B&G) biosorptive activated media to promote denitrification for the removal of nitrogen. The project will also include replacement of stormwater pipes and structures, and expansion of one of the DRAs for added storage capacity. The project will reduce approximately 318 pounds of nutrients per year.	\$1,270,847	\$241,250	\$788,347	\$241,250	318	

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SWF	KINGS BAY SPRINGS GROUP	CR 491 Phase 1 - Regional Stormwater Facility	STORMWATER	The project will construct a regional stormwater pond within the Kings Bay Springs Group to provide retention and floodplain volume for a 31 acre drainage basin. The project will reduce nutrients by approximately 59 pounds per year.	\$358,500	\$179,250	\$89,625	\$89,625	59	
NWF	SPRINGS OF ECONFINA CREEK	Econfina Blue Spring Camp Improvements	OTHER	The project will provide approximately 150 linear feet of shoreline and spring vent restoration and protection as well as public access improvements at Blue Spring Camp. It is a major camping and recreation area on Econfina Creek, a minimum flow and level priority water body. The project will reduce erosion and sedimentation into Econfina Blue Spring, and an adjacent smaller spring.	\$200,000	\$200,000	N/A	N/A	0.75 acres sediment erosion abatement	
SR	WACISSA SPRINGS GROUP	Wacissa Springs Water Quality Improvement Project	OTHER	The project will provide approximately 200 linear feet of slope protection in eroded areas around the main springs of Wacissa Springs, In addition, the project will remove sediment at Aucilla Springs and Thomas Springs to open non-flowing vents. The project will also replace a dirt parking lot with a 3,500 square yard asphalt and stormwater management facility and a 300-foot boardwalk. The project is anticipated to reduce 59,431 pounds per year of nutrients.	\$521,500	\$517,500	\$4,000	N/A	59,431	

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SR	SPRINGS OF WITHLACOOCHEE RIVER	Pot Spring Restoration Project	OTHER	The project will stabilize the shoreline along the spring run to prevent sediment from entering Pot Spring and the Withlacoochee River. The project will include the reconstruction of an existing boardwalk near the spring to improve public access and safety. The project will result in 1,135 square feet of bank stabilization and restoration equating to .4 acres sediment/erosion prevention. Additionally, runoff from a 6,500-7,000 square feet parking/access area will be prevented from reaching the spring. The project is anticipated to reduce nutrients by 69 pounds per year.	\$183,600	\$183,600	N/A	N/A	69	
SWF	KINGS BAY SPRINGS GROUP	Kings Bay Restoration Project	OTHER	The project will restore approximately 80 acres of canal waterways in the King's Bay Springs Group through the removal of invasive plants and organic material from the canal bottom. The canals will be replanted with native eel grass which will be monitored and maintained after planting. Three of the four restoration tracts are in Areas of Critical Concern.	\$5,061,980	\$2,061,980	N/A	N/A		
	<i>*Total project cost may encompass more than one fiscal year</i>				\$101,099,157*	\$56,696,853	\$27,030,419	\$6,153,568		