

# **APPENDIX I**

## **WATER RESOURCE DEVELOPMENT PROJECT** **OPTIONS**

**Table I-1: Central Springs/East Coast Regional Water Supply Plan Water Resource Development Project Options for Volusia County**

County	Project Name	Implementing Entity	Project Description	Project Type	Water Source	Project Capacity (MGD)	Total Capital (\$M)	Estimated Annual O&M (\$/Year)	Status	Anticipated Completion (Year)
Volusia	Volusia Blue Wetland Recharge Project	West Volusia Water Suppliers (WVWS)	Construction of wetland treatment and groundwater recharge project in a 60-acre borrow pit approximately 0.5 miles upgradient from Volusia Blue Spring.	Recharge	Reclaimed, Stormwater, Surface Water	4.0	\$14.6	\$137,500	Feasibility	2024
Volusia	WVWS Aquifer Recharge Enhancement Project, Phase #1	City of Deltona	Construction of a 20-acre rapid infiltration basin (original design modified to exfiltration system) .	Recharge	Reclaimed, Stormwater, Surface Water	0.6	\$1.3	\$15,000	Complete	2020
Volusia	WVWS Aquifer Recharge Enhancement Project, Future Phases	WVWS	Construction of additional recharge facilities in the primary and secondary recharge areas for Blue Spring.	Recharge	Reclaimed, Stormwater, Surface Water	1.8	\$3.3	\$45,000	Planning	TBD
Volusia	Alexander Avenue Water Resource Management Site (same as WVWS Project 4A Deltona Storage & Treatment Improvements)	WVWS	Construction of a series of stormwater and reclaimed water RIBs.	Reuse, Recharge	Reclaimed, Stormwater, Surface Water	1.2	\$1.5	\$33,000	Complete	2019
Volusia	Tiger Bay Weir	SJRWMD	Construction of a weir across Tiger Bay Canal.	Recharge	Stormwater	3.0	\$0.3	N/A	Complete	2016
Volusia	Daytona Beach Bennett Swamp Rehydration and Conservation	City of Daytona Beach	Construction of a rehydration system at Bennett Swamp consisting of pipe dispersal units, and flow regulating valves and meters.	Recharge	Reclaimed	6.0	\$5.3	\$53,000	Complete	2020
Total:						16.6	\$26.3			

**Table I-2: Central Springs/East Coast Regional Water Supply Plan Water Resource Development Project Options for Marion and North Lake Counties**

County	Project Name	Implementing Entity	Project Description	Project Type	Water Source	Project Capacity (MGD)	Total Capital (\$M)	Estimated Annual O&M (\$/Year)	Status	Anticipated Completion (Year)
Marion	Ocala Wetland Groundwater Recharge Park	City of Ocala	Construction of wetland treatment and groundwater recharge project on a 33-acre site (Pine Oaks Golf Course).	Recharge	Reclaimed, Stormwater	5.0	\$9.3	\$100,000	Complete	2020
Total:						5.0	\$9.3			

Table I-3: Central Springs/East Coast Regional Water Supply Plan Water Resource Development Project Options for Brevard, Indian River, and Okeechobee Counties

County	Project Name	Implementing Entity	Project Description	Project Type	Water Source	Project Capacity (MGD)	Total Capital (\$M)	Estimated Annual O&M (\$/Year)	Project Status	Anticipated Completion (Year)
Brevard	Crane Creek M-1 Canal Flow Restoration	SJRWMD	Construction of infrastructure to reduce nutrient loading to the Indian River Lagoon by treating and rediverting baseflows back to the St. Johns River.	AWS	Surface Water	7.0	\$10.7	\$250,000	Construction	2022
Brevard	C-10 Water Management Area	SJRWMD	Construction of infrastructure to redivert and treat freshwater flow from the Indian River Lagoon to the Upper St. Johns River Basin.	AWS	Surface Water	7.9	\$28.0	\$1,300,000	Design/ Permitting	2025
Brevard	Brevard County Abandoned Artesian Well Plugging Program (FY 2020 - FY 2022)	SJRWMD. Brevard County	Abandonment of artesian wells in Brevard County (\$10,000 per year provided by Brevard County).	Well Abandonment	Groundwater	4.5	\$0.1	NA	In progress	2022
Indian River	Indian River County Abandoned Artesian Well Plugging Program (FY 2018 - FY 2020)	SJRWMD, Indian River County	Abandonment of artesian wells in Indian River County (\$20,000 per year provided by Indian River County).	Well Abandonment	Groundwater	9.0	\$0.1	NA	Complete	2020
Indian River	Indian River County Abandoned Artesian Well Plugging Program (FY 2021 - FY 2023)	SJRWMD, Indian River County	Abandonment of artesian wells in Indian River County (\$20,000 per year provided by Indian River County).	Well Abandonment	Groundwater	9.0	\$0.1	NA	In progress	2023

Total: 37.4 \$39.0

County	Project Name	Implementing Entity	Project Description	Project Type	Water Source	Project Capacity (MGD)	Total Capital (\$M)	Estimated Annual O&M (\$/Year)	Project Status	Anticipated Completion (Year)
Indian River, Okeechobee	Grove Land Reservoir and Stormwater Treatment Areas <sup>1</sup>	Grove Land Utilities	Construct a reservoir and stormwater treatment area that will retain water from the C-23, C-24, and C-25 Canals, which is otherwise lost to tide. Discharge treated water to the headwaters of the St. Johns River as an AWS for water utilities and other water users. Project is also located in SFWMD.	AWS	Surface Water	100.0	\$691.0	TBD	Planning	2026

<sup>1</sup> Project was not included in the project totals within the Central Springs/East Coast Regional Water Supply Plan.