

Appendix J

Water Resource Development Project Options

**North Florida Regional Water Supply Plan
Water Resource Development Project Options**

County	Project Name	Implementing Agency or Entity	Project Description	Project Type	Water Source	Project Capacity (mgd)	Total Capital (\$M)	Estimated Annual O&M	Timeframe for Completion
Alachua	Oakmont Groundwater Recharge Wetlands	GRU	Construction of groundwater recharge wetlands at Oakmont subdivision.	Reuse - Recharge	Reclaimed Water	1.00	0.60	\$29,000	2017 ²
Alachua	Kanapaha Middle School GW Recharge Wetlands	GRU	Construction of groundwater recharge wetlands at Kanapaha Middle School.	Reuse - Recharge	Reclaimed Water	0.50	0.15	\$18,000	2017 ²
Bradford	West Ridge WRD Area	SRWMD	Restore natural flows, with or without aquifer recharge wells.	Recharge	Surface Water	1.00	2.79	\$29,000	2035 ³
Bradford	Brooks Sink Phase 2	SRWMD	Redirects flow to natural sink.	Recharge	Surface Water	0.60	0.20	\$20,000	2035 ³
Clay	Black Creek	SJRWMD, local cooperator	Withdrawal near Penney Farms with 200 MGAL reservoir at corner of SR16 and SR 21; used for land application to spreader field south of Lake Magnolia for recharge or could be utilized by utility.	Recharge	Surface Water	10.00	85.50	\$507,000	2035 ³
Columbia	Ichetucknee Springshed W.Q. Improvement Project	City of Lake City, SRWMD	A sprayfield will be converted into wetlands that will provide additional treatment to reduce nitrogen and recharge to the aquifer.	Recharge	Surface Water	1.20	5.01	\$33,000	2016 ²
Columbia	Ichetucknee Trace - Clay Hole Creek / Alligator Lake Aquifer Recharge and Stormwater Mitigation	Columbia County, SRWMD, FDEP	Construct recharge wells to capture stormwater runoff from Price and Alligator Creek basins.	Recharge	Surface Water	4.00	2.56	\$95,000	2020 ³
Columbia	Lake Harris	SRWMD	Construction of an additional recharge well to reduce flooding and to provide aquifer recharge.	Recharge	Floridan	0.30	0.20	\$13,000	2016 ¹
Columbia	Falling Creek	SRWMD	This project involves a maximum daily capacity from the Upper Suwannee River to Falling Creek Falls, recharging the aquifer.	Recharge	Surface Water	10.00	48.42	\$227,000	2035 ³
Columbia	Cannon Creek	SRWMD	Stormwater improvements and recharge wells.	Recharge	Surface Water	2.24	2.50	\$56,000	2020 ²
Dixie	Lower Suwannee Drainage Basin Aquifer Recharge Project	Dixie County, FDEP, SRWMD	Eliminating ditched stormwater runoff and re-establishing flow patterns from the drainage basin to rehydrate lakes and wetlands for natural recharge.	Recharge	Surface Water	3.26	2.41	\$78,000	2020 ³
Dixie	Cow Pond Drainage Basin Aquifer Recharge Project	Dixie County, FDEP, SRWMD	Eliminating ditched stormwater runoff and re-establishing flow patterns from the drainage basin to recharge wells and rehydrate lakes and wetlands for natural recharge.	Recharge	Surface Water	1.69	1.60	\$44,000	2020 ³
Duval	District 2 WWTF RIB - Transmission and Pumping	JEA	Rapid Infiltration Basin for District 2 WWTF (estimated 6.0 MGD capacity, land costs TBD).	Reuse - Recharge	Reclaimed Water	6.00	8.90	\$375,000	2024 ³
Hamilton	Eagle Lake	PCS, FDEP, SRWMD	Reduction of Groundwater withdrawal with increased use of surface water for process use.	Wellfield Reduction	Floridan	10.00	3.60	\$71,000	2016 ¹
Lafayette	Middle Suwannee River and Springs Restoration and Aquifer Recharge Project	SRWMD	Hydrologic restoration to rehydrate wetlands and ponds to recharge the aquifer.	Recharge	Surface Water	10.00	1.90	\$227,000	2018 ²
Madison	Madison Blue Spring Aquifer Recharge	SRWMD	Four existing drainage wells will be rehabilitated or replaced to improve recharge rates.	Recharge	Surface Water	3.40	0.70	\$82,000	2025 ³
Total:						65.19	\$ 167.04		

¹ Project Completed

² Project Under Construction

³ Project Construction has Not Started