FY2025 FDEP SPRINGS FUNDING APPLICATIONS * SEPTIC TO SEWER CONVERSION PROJECT - DISTRICT A/PHASE 2 * HERNANDO COUNTY PRIVATE PACKAGE PLANT CONNECTIONS





WEEKI WACHEE SPRINGS STATE REQUIRED IMPROVEMENTS

Total Maximum Daily Load (TMDL)

Establishes the maximum amount of pollutants the spring can handle

Basin Management Action Plan (BMAP)

Enforceable sets of projects and management practices designed to reduce nutrients and improve water quality over time

Florida Springs and Aquifer Protection Act

This act affords special status and protection to historic first-magnitude springs and to other springs of special significance

FLORIDA SPRINGS AND AQUIFER PROTECTION ACT

- Priority Focus Areas (PFA) where certain activities are prohibited
- Prioritized schedules (5-year, 10year, and 15-year) of restoration projects and nutrient load reduction
- Achieve water quality restoration targets in 20 years







WEEKI WACHEE SPRINGS BMAP & PRIORITY FOCUS AREA



- 2016 Septic to Sewer Conversion Study
- 2020 Feasibility Analysis (funded by FDEP)





DISTRICT A – PHASE 1 (PARTIALLY FDEP FUNDED)

ITEM	COST
Estimated Cost per lot	\$36,000
Anticipated Grant Offsets and County Contribution	\$32,400 (90%)
Estimated Cost to Resident	\$3,600 (10%) *Includes \$3,544 connection fee*

- Anticipated Schedule
 - Designed by: 2024
 - Constructed by: 2026



	Previous	FY2025	Future	Total
FDEP Springs Funding		\$ 800,000.00	\$ 10,500,000.00	\$ 11,300,000.00
WMD CFI Funding			\$ 2,250,000.00	\$ 2,250,000.00
Local Funding			\$ 2,250,000.00	\$ 2,250,000.00
Other Funding				\$ 0.00
Total	\$ 0.00	\$ 800,000.00	\$ 15,000,000.00	\$ 15,800,000.00

Hernando County Private Package Plant Connections



Figure 2. Loading to groundwater by source in the Weeki Wachee Springshed

Group, Wilderness-Mud-Salt Springs Group, and Jenkins Creek Spring

Waterbody or Spring Name	Waterbody Identification (WBID) Number	Parameter	TMDL (mg/L)
Weeki Wachee Spring	1382B	Nitrate, annual average	0.28
Weeki Wachee River	1382F	Nitrate, annual average	0.20
Magnolia-Aripeka Springs Group	1391B	Nitrate, annual average	0.23
Wilderness-Mud-Salt Springs Group	1382G	Nitrate, annual average	0.23
Jenkins Creek Spring	1389	Nitrate, annual average	0.23



Figure 3. OSTDS locations in the Weeki Wachee BMAP area and PFA



				Cost effectiveness	
Mobile Home Park Facility	WWTP TN conc.	MGD	Proj Benefit	(\$/TN)	C
Frontier connecting to Glen (secondary/reuse)	15.35	0.009	266	\$1,098.17	
Weeki Wachee connecting to Glen (secondary/reuse)	15.35	0.014	413	\$705.96	
Topic connecting to Airport (advanced/RIBs)	15.35	0.011	318	\$917.90	
Total		0.034	997	\$907.34	

No.	Mobile Home Park Facility	WWTP TN conc.
1	Frontier connecting to Glen WRF (secondary/reuse)	\$724,400.00
2	Weeki Wachee connecting to Glen WRF (secondary/reuse)	\$1,294,500.00
3	Topic connecting to Airport WRF (advanced/RIBs)	\$1,037,600.00
4	WREC 3 Phase Power designs and upgrades	\$934,200.00
5	General Conditions & Contingency	\$1,009,300.00
	Total	\$5,000,000.00

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QUESTIONS?



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