

**Data, Monitoring and Investigations
Team (DMIT)**

**DMIT Hydrogeologic
Annual Work Plan
(FY2019-FY2025)**



**CFWI Steering Committee Meeting
January 17, 2019**

Goal of DMIT

“Ensure that available hydrologic, environmental, and other pertinent data collected throughout the region are identified, inventoried, and accessible to support the CFWI technical initiatives and CFWI regulatory activities.”



Major DMIT Tasks over past 5 years

- Created an inventory of existing monitoring data (DMIT CFWI Inventory)
 - ArcMap interface with links to data sources
- Determined data collection needs and developed work plan to meet those needs
 - Regional Monitoring Program Summary Report (June 2014)
 - DMIT Hydrogeologic Work Plan for FY 2015-FY2020

DMIT Hydrogeologic Work Plan

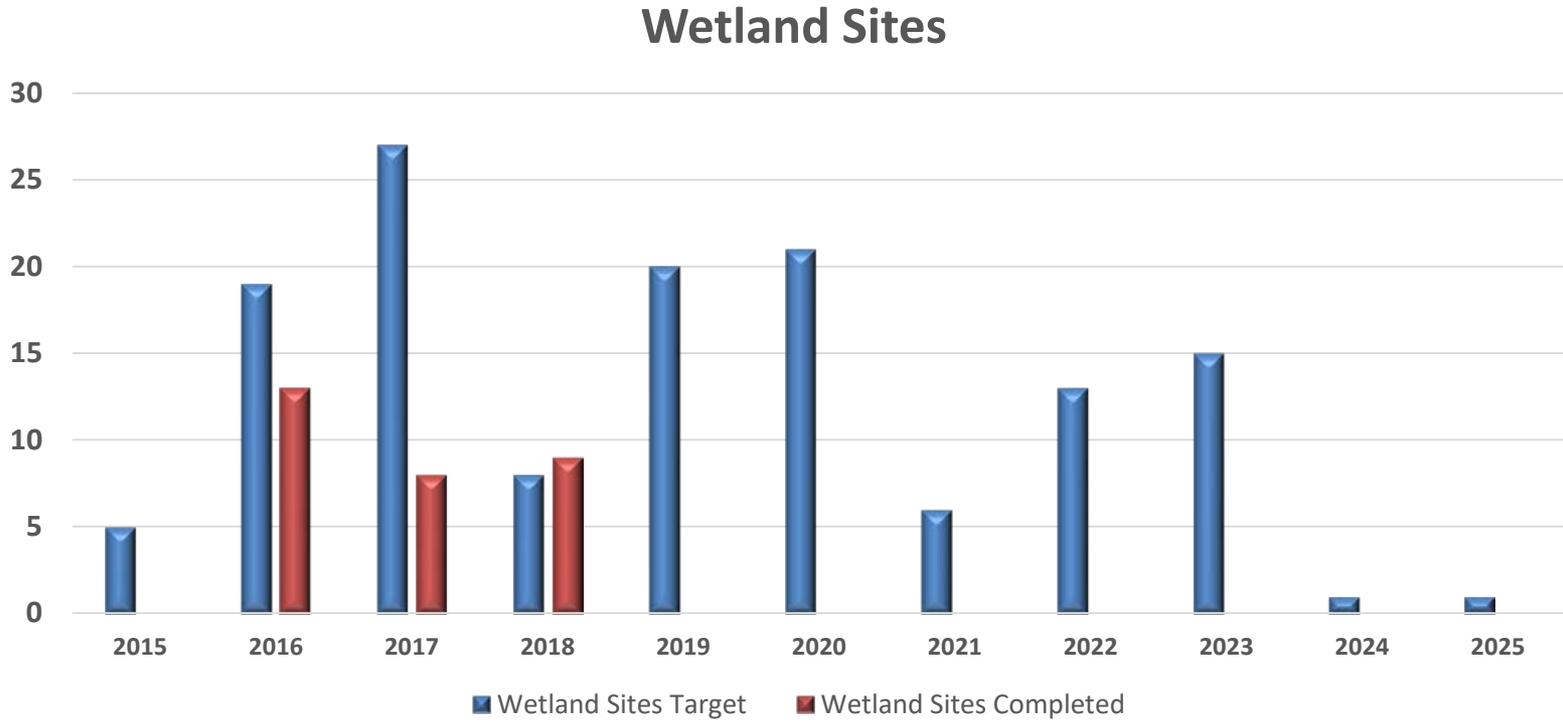
- Purpose is to develop new hydrogeologic monitoring sites
 - DMIT work is a 10-year process (2015 – 2025)
 - Annual updates
 - Standard fiscal years
- Resources monitored include
 - Wetland monitoring with transects and Surficial Aquifer wells
 - Regional water level monitoring
 - Surficial aquifer
 - Upper Floridan aquifer
 - Lower Floridan aquifer
 - Other Parameters such as Water Quality and Rainfall

FY2015-FY2025 DMIT Well Status

	Wetland Sites	Wetland SA	General SA	UFA	LFA
2015	0	0	2	3	1
2016	13	4	5	4	2
2017	8	7	7	7	3
2018	9	5	8	6	2
Total (2015-2018):	30	16	22	20	8
2019	20	17	6	4	8
2020-2025	57	53	31	23	20
Total (2015-2025):	107	86	59	47	36

- Red line divides completed from proposed
- There are currently 46 monitoring sites in progress

Wetland Sites Targeted / Completed



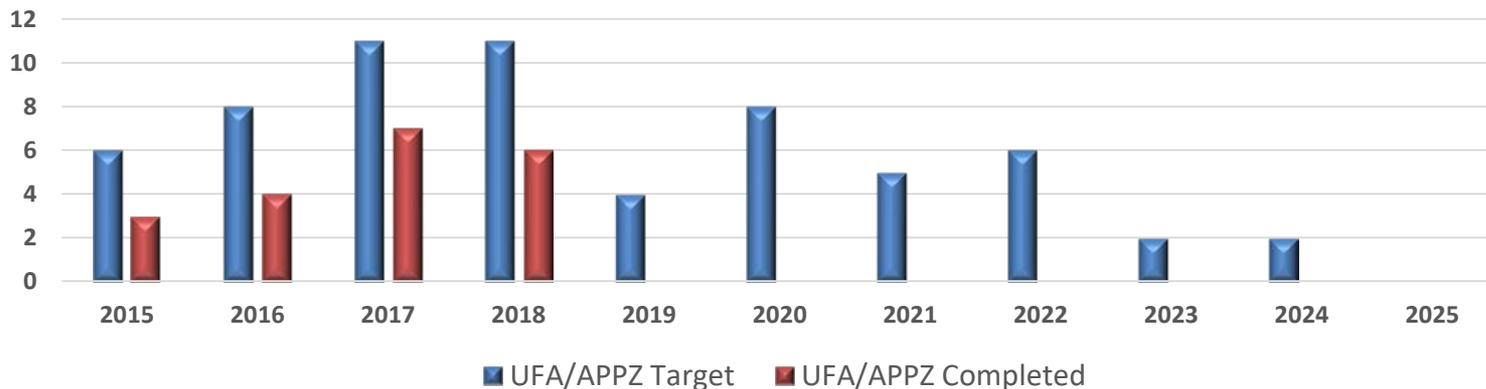
Targets not met are incorporated into future Work Plans as appropriate

SA/UFA Sites Targeted / Completed

General SA Wells

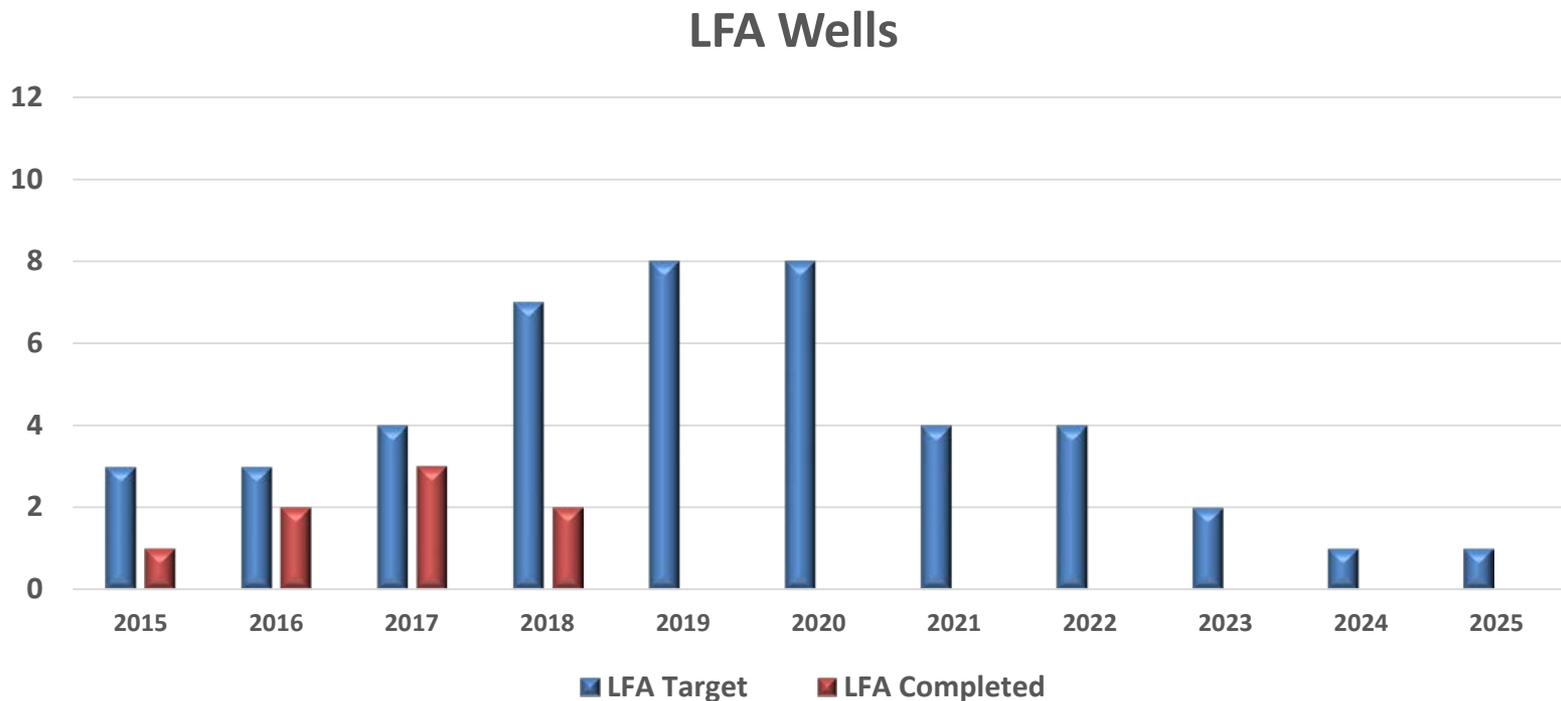


UFA/APPZ Wells



Targets not met are incorporated into future Work Plans as appropriate

LFA Well Sites Targeted / Completed



Targets not met are incorporated into future Work Plans as appropriate

Reasons for Construction Delays in FY2018

- Site acquisition difficulties
- Well construction challenges
- Defer site construction
- Budget limitations



Additional Measures Being Implemented to Further Construction

- Coordinate with stakeholders to assist with site development
- Continue to identify District land opportunities



Wetland Site Development Process Improvement

- Due to practical, logistical, scientific, and safety reasons, DMIT has identified the need to modify the site selection process.
- DMIT coordinated with stakeholders including the WRAT sub-teams, WRAT and MOC.
- New approach meets the data needs for the CFWI teams.
- DMIT is still proposing to establish a total of 107 wetland monitoring sites and, where appropriate, utilize this alternative site selection process.

Implementation Costs

Fiscal Year	Total Implementation Costs (in millions)
2015	\$0.63
2016	\$0.70
2017	\$3.05
2018	\$3.53
2019 ¹	\$10.90
2020-2025 ²	\$20.45
Total	\$39.26

¹Cost is budgeted but may be lower based on actual construction performed

²Cost is estimated for the six-year period and subject to the availability of Legislative appropriation or State funding.

DMIT Ongoing Activities

Activity	Status
Identify and acquire legal access to future monitoring locations.	Ongoing.
Address changing approach regarding wetland site location development.	DMIT coordinated with CFWI teams and sub-teams and developed new approach for wetland site location development.
Develop a uniform electronic database for storing wetland site data.	80% Complete. Will be complete by December of 2019.
Update the DMIT Well Inventory to include new sources.	Complete.

Action Item

- DMIT requests approval of the DMIT Hydrogeologic Annual Work Plan (FY2019-2025)

