

Data, Monitoring and Investigations
Team (DMIT)

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



CFWI Steering Committee Meeting
January XX, 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

- Create an inventory of existing monitoring data (DMIT CFWI Inventory)
 - Metadata and link to data source
- Determine data collection needs and develop work plan to meet those needs
 - Gap Analysis
 - Regional Monitoring Program Summary Report (June 2014)
 - DMIT Hydrogeologic Work Plan for FY 2015-FY2020

DMIT Hydrogeologic Work Plan

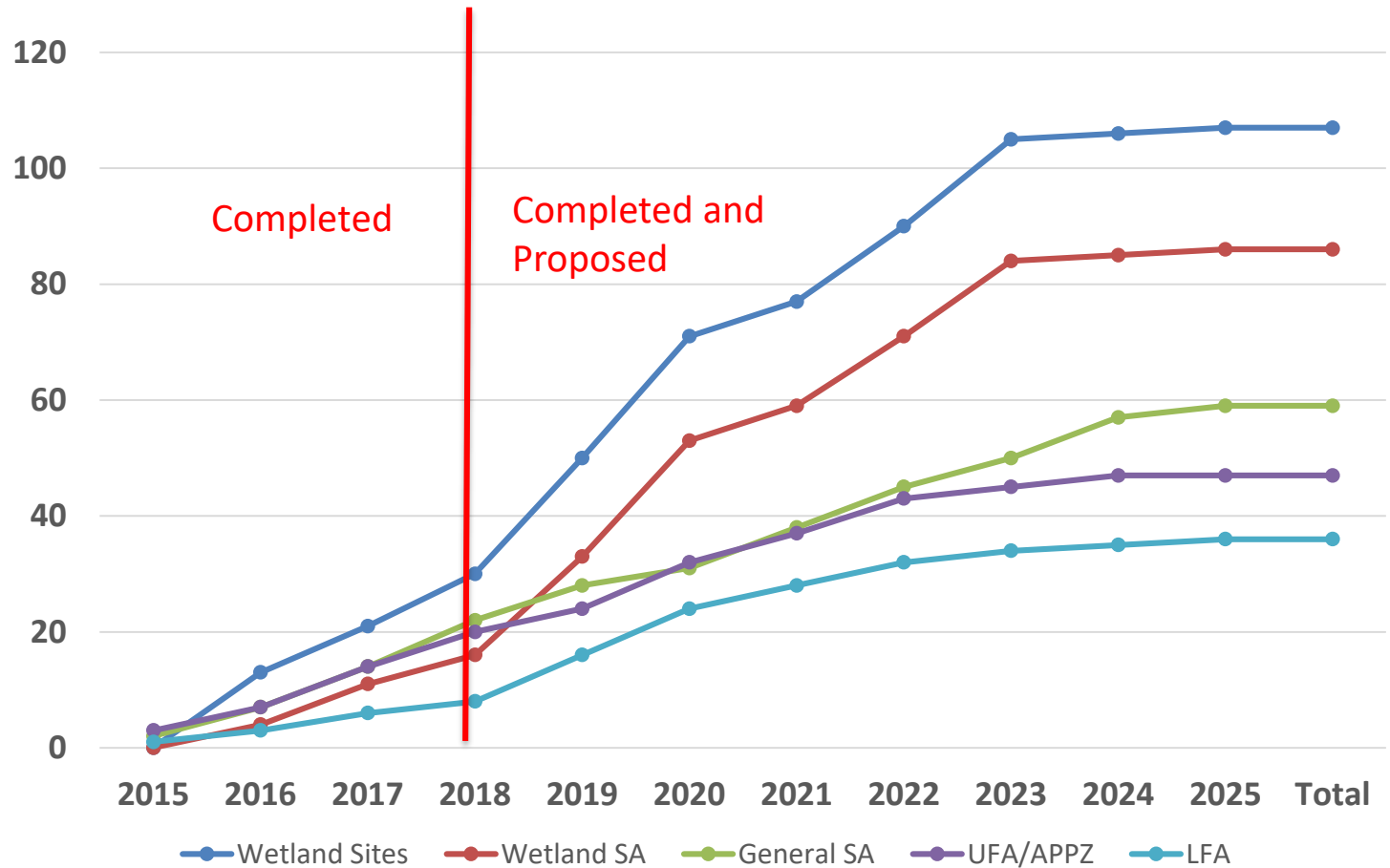
- Develop new hydrogeologic monitoring sites
 - 10-year process
 - Annual updates
 - Standard fiscal years
- Resources monitored include
 - Wetland monitoring with transects and Surficial Aquifer wells
 - Regional water level monitoring
 - Surficial aquifer
 - Upper Floridan aquifer/Avon Park Permeable Zone
 - Lower Floridan aquifer
 - Water Quality, rainfall and other parameters

FY2015-FY2025 DMIT Well Status

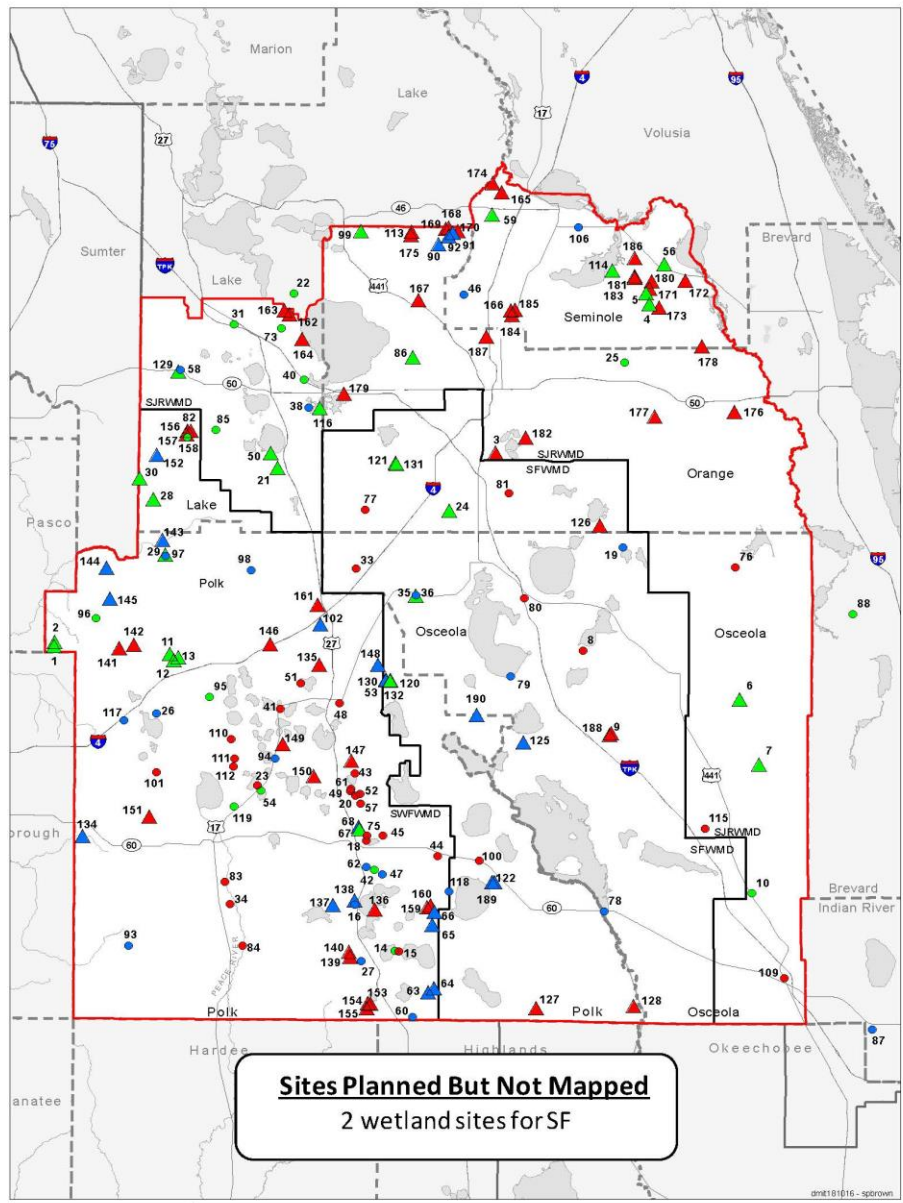
	Wetland Sites	Wetland SA	General SA/IA	UFA/APHPZ	LFA
2015	0	0	2	3	1
2016	13	4	5	4	2
2017	8	7	7	7	3
2018	9	5	8	6	2
2019	20	17	6	4	8
2020-2025	57	53	31	23	20
Total:	107	86	59	47	36

Red line divides completed from proposed

FY2015-FY2020 Site and Well Progress*



*This graph shows cumulative construction as completed and proposed from 2015 through 2025



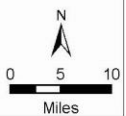
Sites Planned But Not Mapped
2 wetland sites for SF

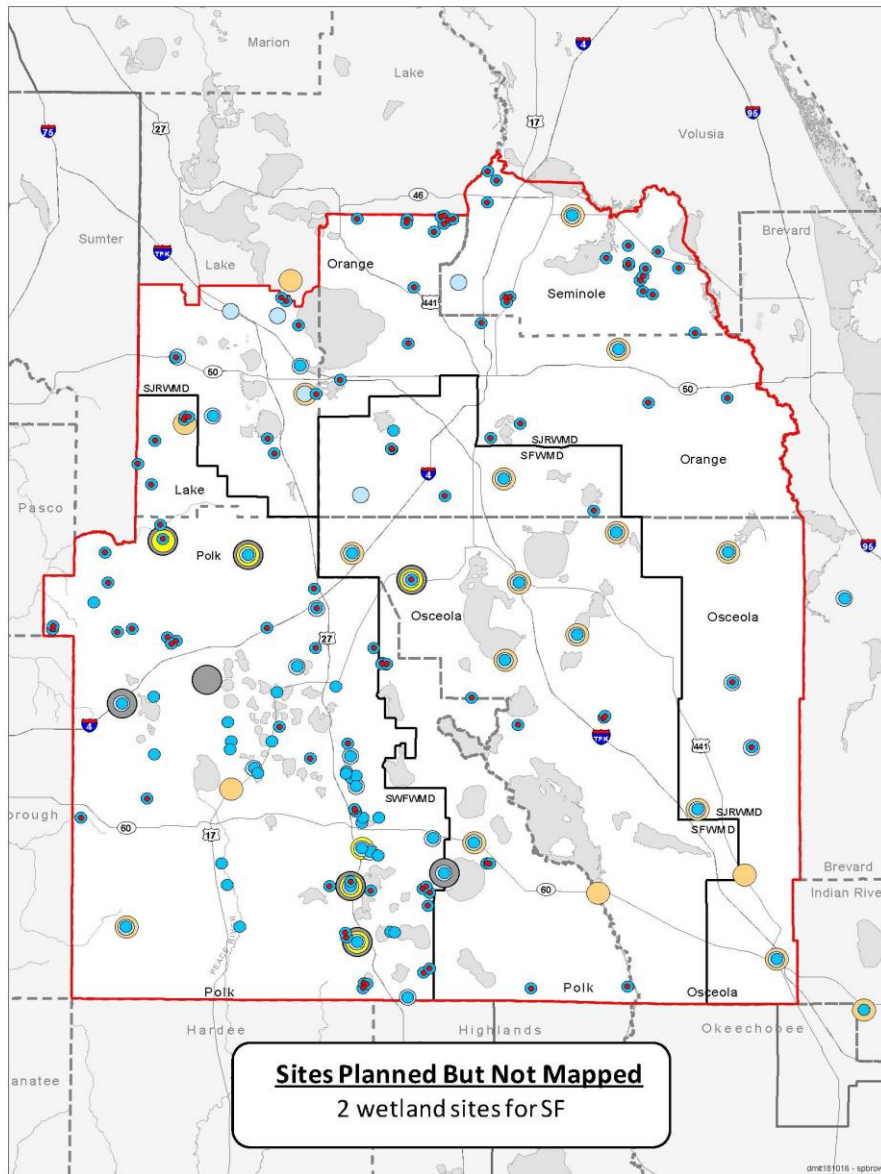


Figure 1: Status of DMIT Sites (October 2018)

Status of DMIT Sites

- △ Wetland
- Well(s)
- Green = Completed
- Blue = In Progress
- Red = Proposed
- Red outline = CFWI Boundary
- Dashed line = County Boundaries
- Solid line = Water Management District Boundaries





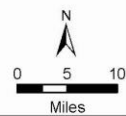
Sites Planned But Not Mapped
2 wetland sites for SF



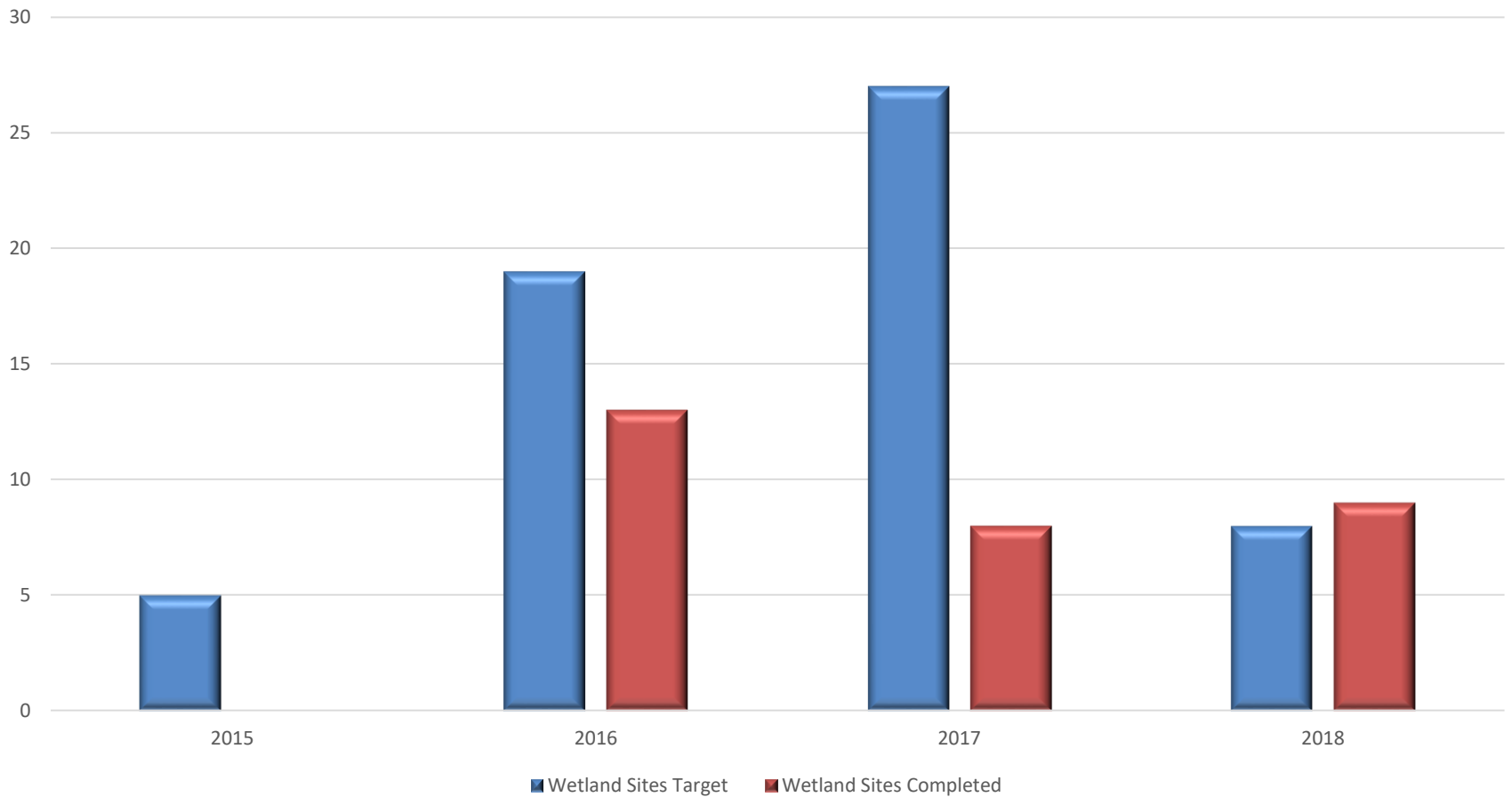
Figure 2: DMIT Sites by Monitored Resource (October 2018)

DMIT Sites By Monitored Resource

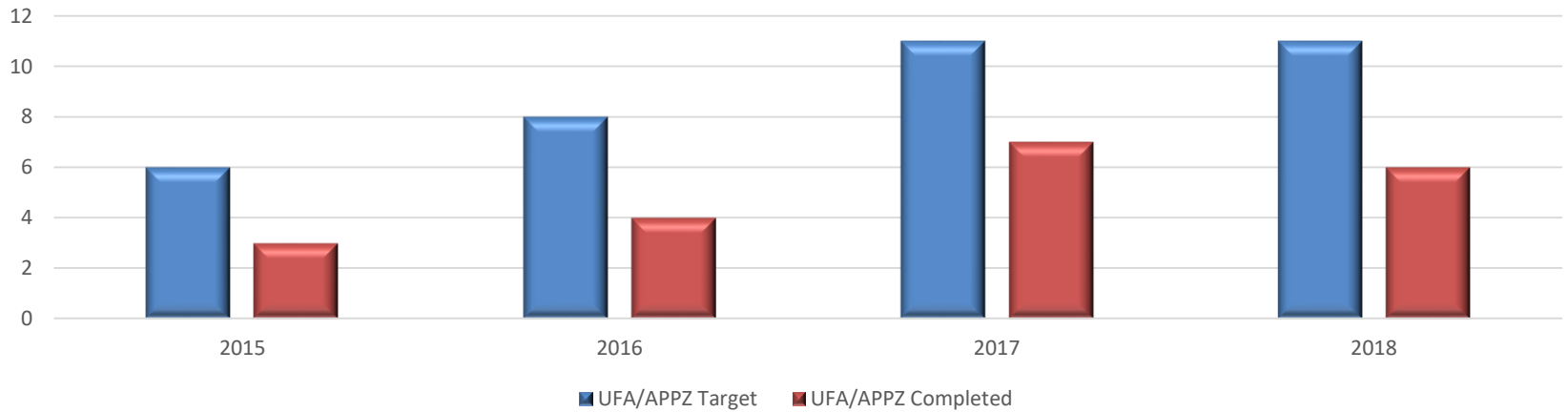
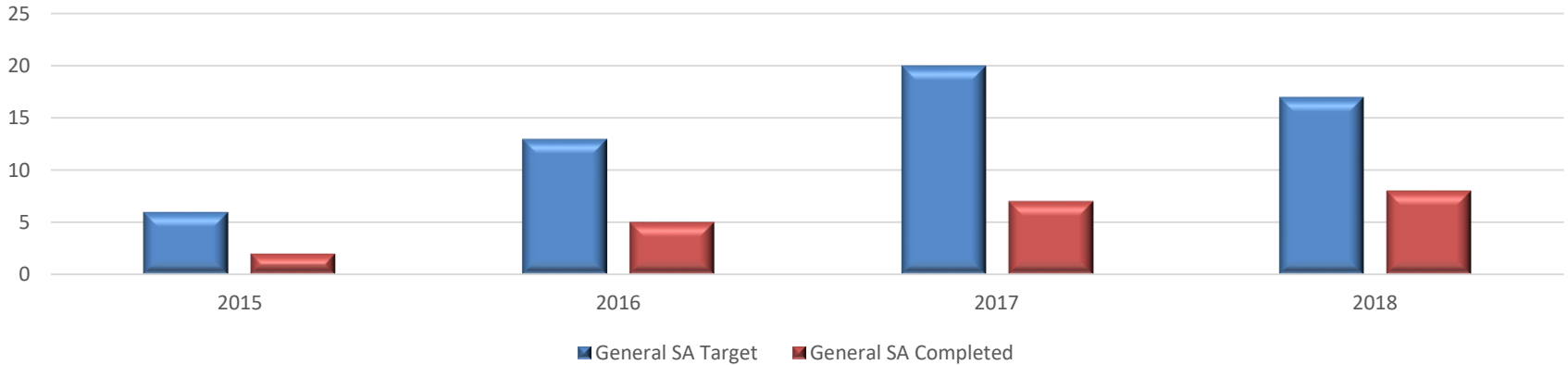
- Wetlands
- Surficial Aquifer
- Upper Floridan Aquifer
- Lower Floridan Aquifer
- Lower Floridan Aquifer I
- Lower Floridan Aquifer II
- CFWI Boundary
- County Boundaries
- Water Management District Boundaries



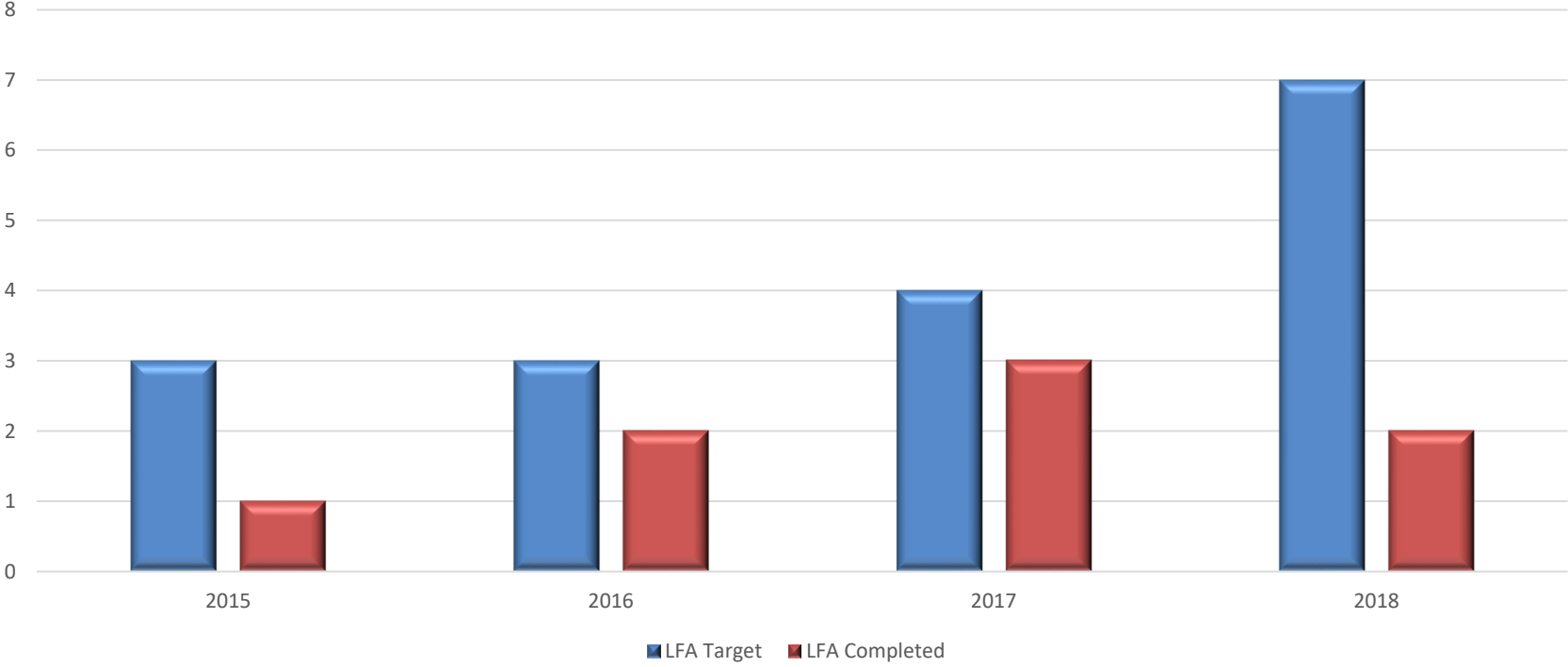
Wetland Site Targets and Completed



Well Site Targets and Completed



Well Site Targets and Completed



Reasons for Construction Delays

- Site acquisition difficulties
- Defer site construction
- SJRWMD evaluation of district-wide monitoring needs

Additional Measures Being Implemented to Further Construction

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



Wetland Monitoring Site Development

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

Implementation Costs

Fiscal Year	Total Implementation Costs (in millions)
2015	\$0.55
2016	\$1.15
2017	\$2.86
2018	\$3.53
2019¹	\$10.90
2020-2025²	\$20.44
Total	\$39.43

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 and update a uniform electronic database for storing field reports and digital media associated with each wetland site.	Complete.
Update the Well Inventory to include new sources.	Complete.

Action Item

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

Questions?

<https://Cfwiwater.com/data.html>

