

# Data Monitoring and Investigations Team

*Steering Committee Meeting  
June 27, 2014*

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# DMIT Goals

- Ensure that available hydrologic, environmental, and other pertinent data collected throughout the region is identified, inventoried, and accessible
- Develop options for future regional monitoring

# Schedule

<b>Schedule Components</b>	Standard data inventory sheet (D1)	31-Aug-11
	Intra-and inter-agency investigation of other existing data (D2)	31-Oct-11
	Inventory Development (D3)	31-Jan-12 (Ongoing)
	Establish Minimum Standards for Data Collection (D4)	31 Dec 13
	Develop Recommendations for Regional Monitoring(D5)	<del>1 Mar 14</del> 27 Jun 14

# Summary of DMIT Work

- Developed a data inventory
- Developed minimum standards for data collection
- Conducted a data redundancy evaluation
- Identified additional data needs
- Evaluated data density
- Identified implementation options

# Major Report Findings

- Improve monitoring of springs and MFLs
- Collect better information to improve model calibration
- Well clustering will minimize costs
- Assess existing data collection before adding new

# Approach for Minimum Options

1. **SA minimum** : sites planned by WMD and permittees, plus devices that would create nested wells with UFA.
2. **Wetland minimum**: monitor each hydroclass within each geomorphic region (1 monitoring point each)
3. **UFA minimum**: sites planned by WMDs and permittees
4. **LFA minimum**: sites planned by WMDs and permittees

# Approach for Optimum Options

1. **SA Optimum:** monitor each discrete hydrogeographic and topographic region
2. **Wetland optimum:** monitor 10% of each hydroclass within each physiographic region
3. **UFA optimum:** utilize existing hexagonal grid methodology adopted by WMDs
4. **LFA optimum:** nest each UFA hexagonal grid site with a LFA site

# Results

<b>Surficial Aquifer</b>		<b>Total</b>
Minimum		148
Optimum		See guidelines
<b>Wetlands</b>		
Minimum		107
Optimum		192
<b>Upper Floridan</b>		
Minimum		40
Optimum		70
<b>Lower Floridan</b>		
Minimum		18
Optimum		101



# Action Items from 4/25 SC

1. Present options for recommending number of regional monitoring sites – **MOTION REQUESTED**

# Action Items from 4/25 SC

2. Prepare implementation plan for monitoring -  
**COMPLETE**

# Implementation Plan-Contents

- I. Suggests Phase I implementation of sites already planned by WMDs and permittees that fall within DMIT priority zones.
- II. Suggests Phase II implementation of sites planned by WMDs and permittees that fall outside of DMIT priority zones.
- III. Suggest further prioritization based on narrative guidelines.
- IV. Provides cost estimates



# Future Work

- Collaborate with SPT
- Continue to update DMIT Inventory

**Questions?**

