TO INFINITY AND BEYOND!

GROWTH OF THE DISTRICT'S MONITORING WELL NETWORK

DFC COMMITTEE MEETING – MARCH 28, 2017

PRESENTATION OVERVIEW

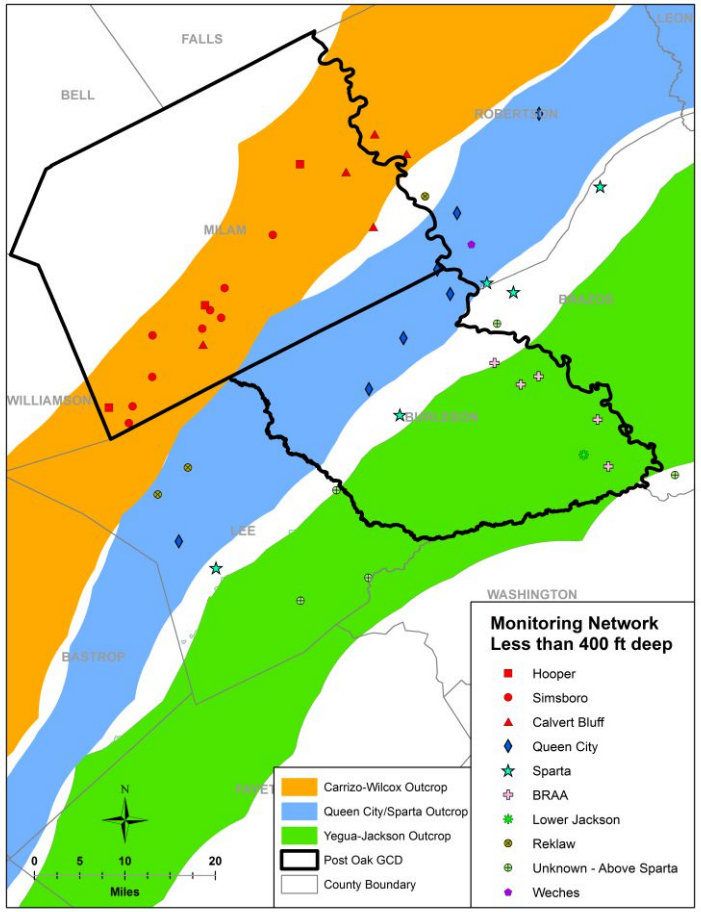
- Update of Current Monitoring Progress
- Expansion of Network
- New Technology/Equipment
- Benefits of Program Growth
- Future Endeavors

CURRENT PROGRESS

- To date have measured 96 of 119 wells in program
  - Waiting for access to some
  - Some wells no longer accessible or have been plugged
- Measured levels indicate stable to slight (1-2 feet) increases in the majority of wells
  - Can be attributed to increased supply (rainfall/recharge) and decreased demand (production)

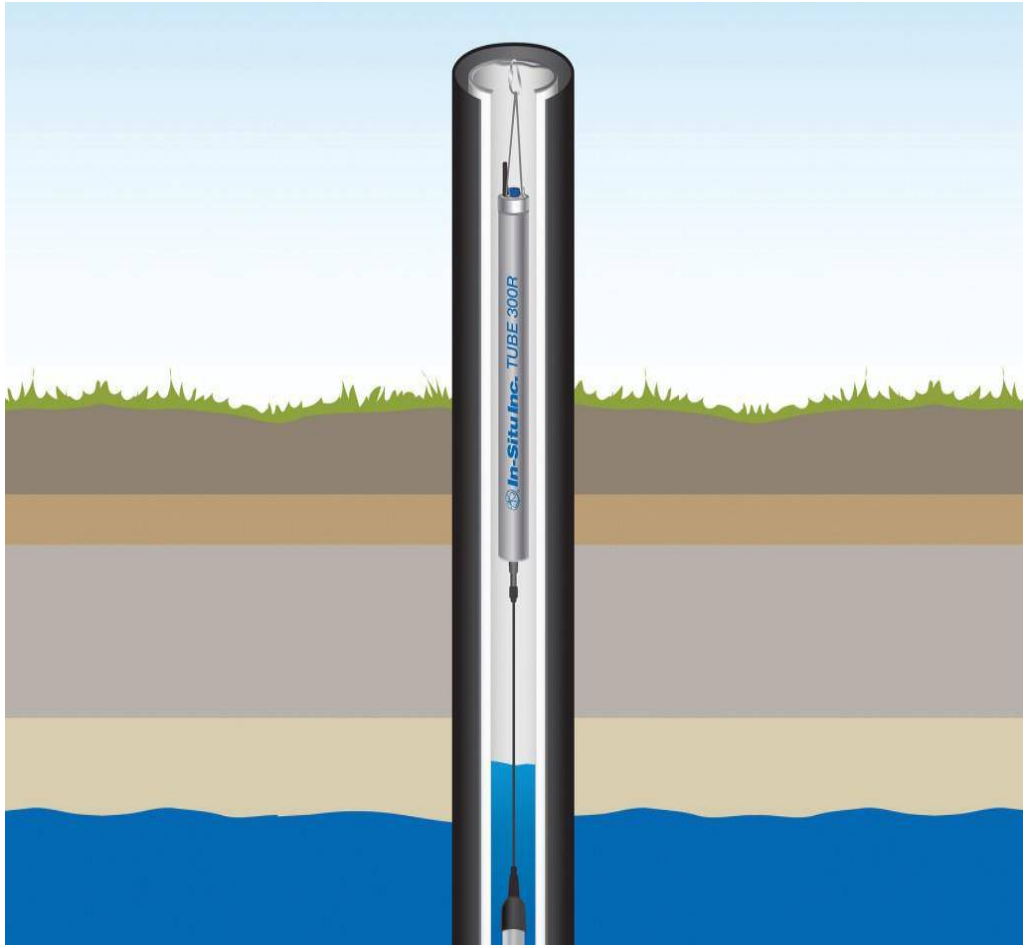
EXPANSION OF NETWORK

- 50+ wells by August 1, 2017
  - Focusing attention on Shallow (<400 feet) Carrizo-Wilcox group
  - Course of Action:
    - Establish a grid system
    - Identify and locate registered wells within grid cells
    - Verify well information (owner, location, depth, screen interval, etc.)
    - Contact landowners (phone, mail, or personal visit)
    - Conduct initial water level measurements
- Continue to identify additional wells (beyond the 50) including Minor Aquifers



NEW TECHNOLOGY/EQUIPMENT

- 25 additional transducer wells by November 1, 2017
  - Focus on Shallow Carrizo-Wilcox formations
  - To include telemetry (real-time data)
- Data to be available to Public on website
  - Mapping interface on webpage
  - Minimum of daily uploads
  - Need to be able to distinguish between formations



BENEFITS OF NETWORK GROWTH

- Increased data points = Better model estimations
  - Best Available Science for Management Decisions
  - Better Long Term forecasting
- Protection of wells
  - Best Available Science for Management Decisions
  - Better Understanding of Spacing Rules

FUTURE ENDEAVORS

- Continue Identifying and Enrolling Monitoring Wells
- Continued Desired Future Condition (DFC) Analysis
- Joint Monitoring Efforts with neighboring Groundwater Conservation Districts (GCDs)
- Update of Central Carrizo-Wilcox Groundwater Availability Model (GAM)

QUESTIONS?