



# Overview of Desired Future Condition (DFC) Analysis Tool

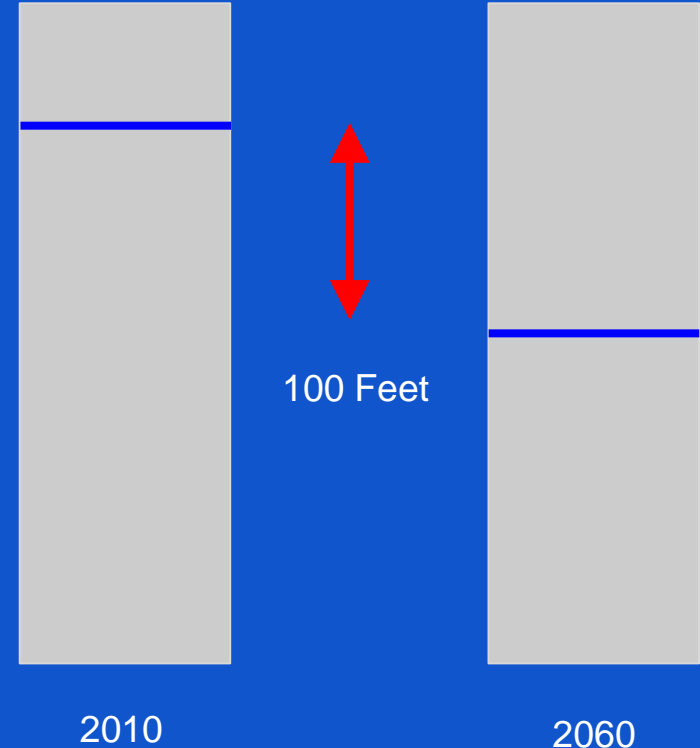


# Outline

- DFCs
- DFC Tool
  - Highlights
  - How it Works
  - Trend Calculation Method
- Live Demo

# Desired Future Condition (DFC)

- What is a DFC
  - Specified future time
  - Quantifiable condition of groundwater resources
- Importance of a DFC
  - Management goal
  - Means to gauge a district's efforts

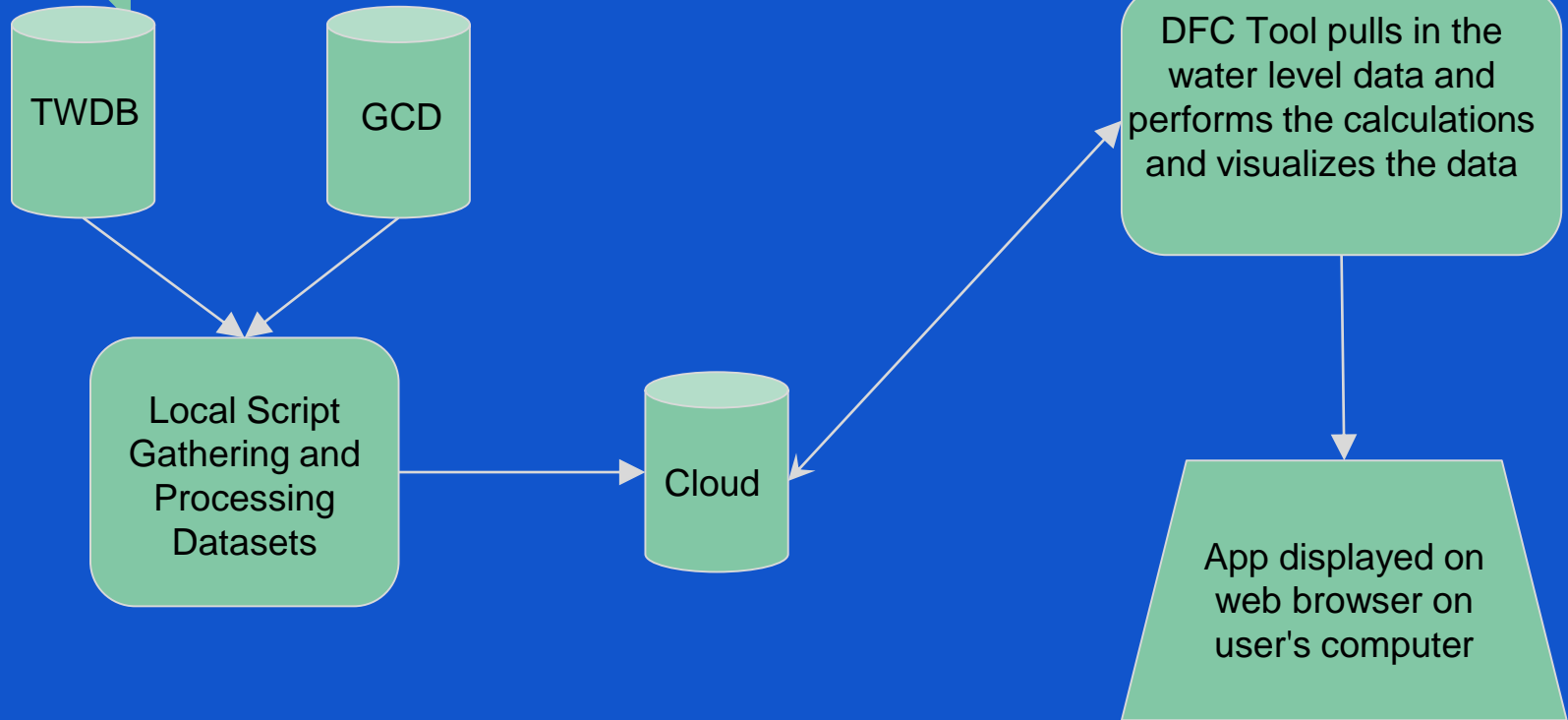


How do we track and calculate water level trends relative to the DFC?

# DFC Analysis Tool

- Built to analyze water levels as a means to calculate current water level trends to compare to DFCs
- Interactive web based tool
- Automated
- Visual
- Modular
- Still under development

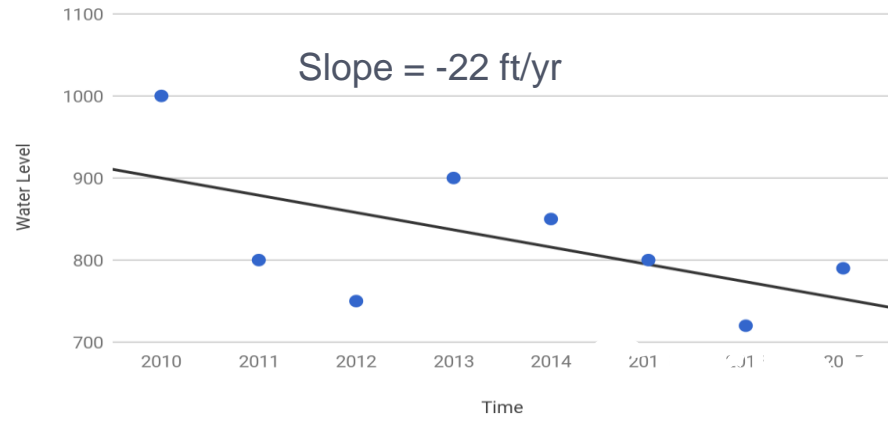
# How the Tool Works



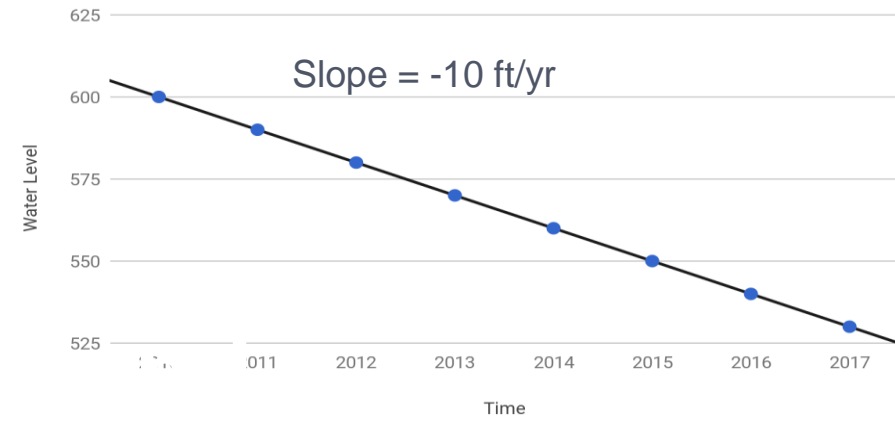
# Current Trend Calculation Method



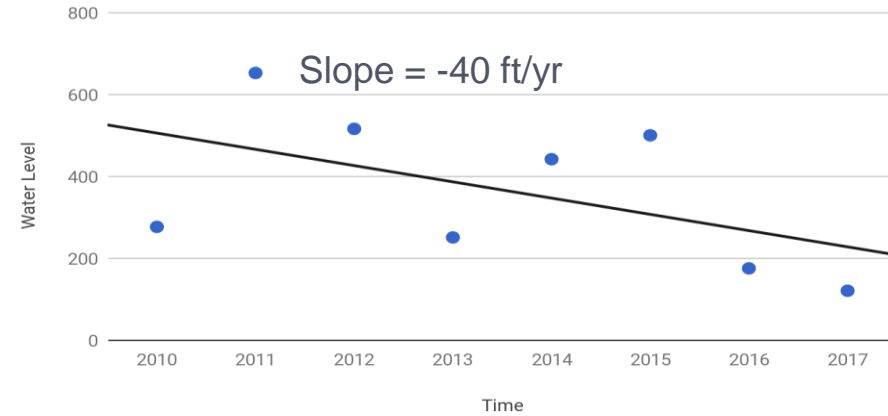
### Hydrograph of Well 1



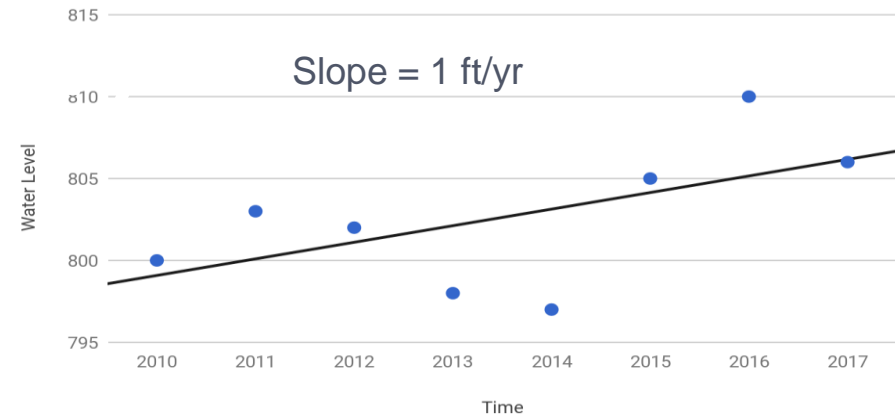
### Hydrograph of Well 2



### Hydrograph of Well 3



### Hydrograph of Well 4





# DFC Tool Demo

- Hypothetical situation
- Water levels have been purposely altered to not reflect real world conditions
- DFC values have been changed
- Demonstration of the tools capabilities
- [DFC Tool](#)



# Summary

- Tool provides a good platform from which we can begin addressing the question of “are we meeting the DFCs”
- Need to evaluate trend calculation methods further
- Evolving tool

# QUESTIONS

## Water Level Difference vs. Time

