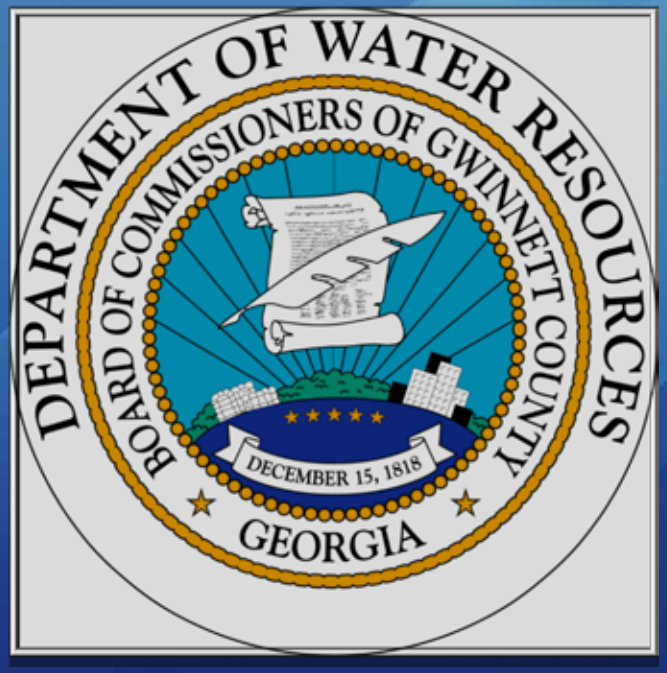
Web & Mobile GIS for Adding Efficiencies to Water Utilities

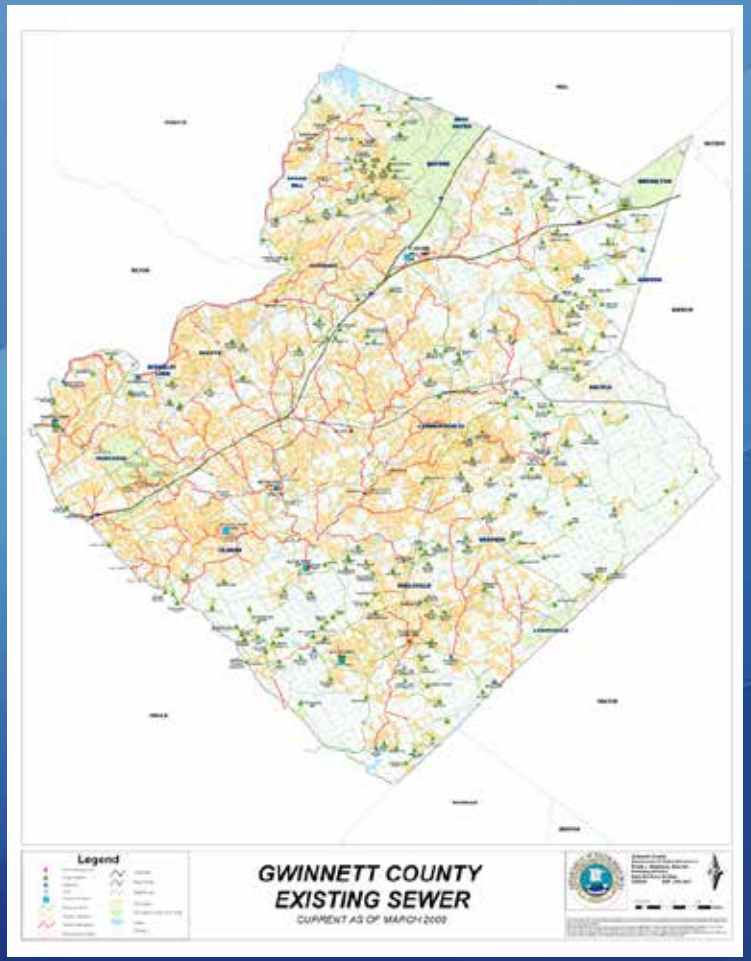


Gwinnett County Quick Facts

- **Suburb of Atlanta**
- **438 Square Miles**
- **2010 Population: 805,680**

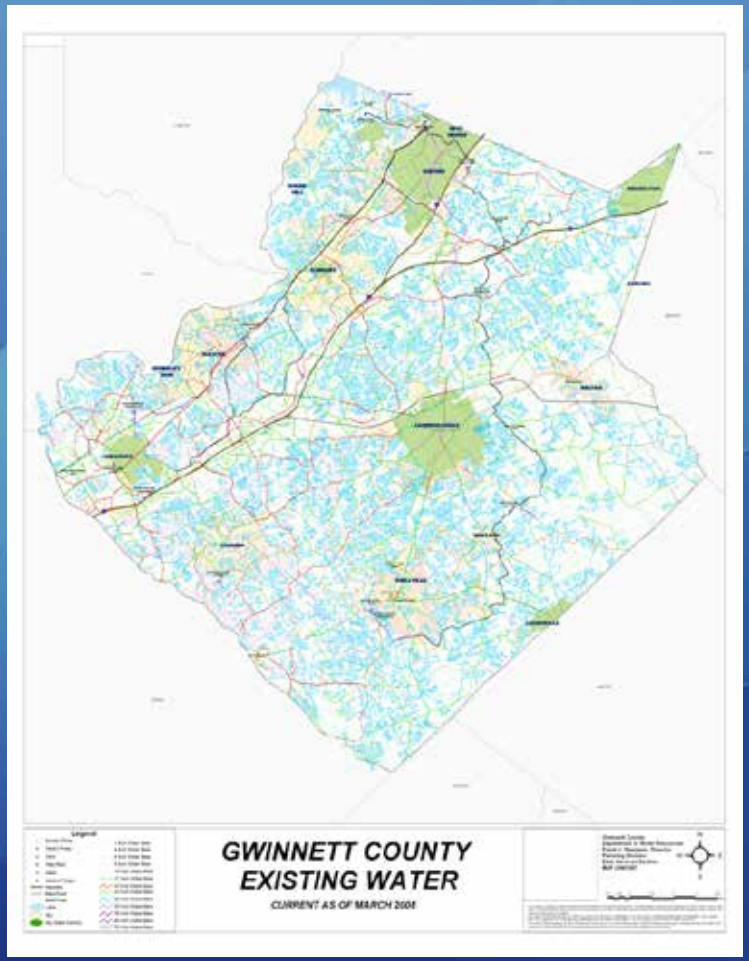
Gwinnett County Sewer System

- Gravity Sewer — 2,655 Miles
- Manholes — 74,979
- Force Mains — 279 Miles
- Pump Stations — 229
- Water Reclamation Facilities — 5



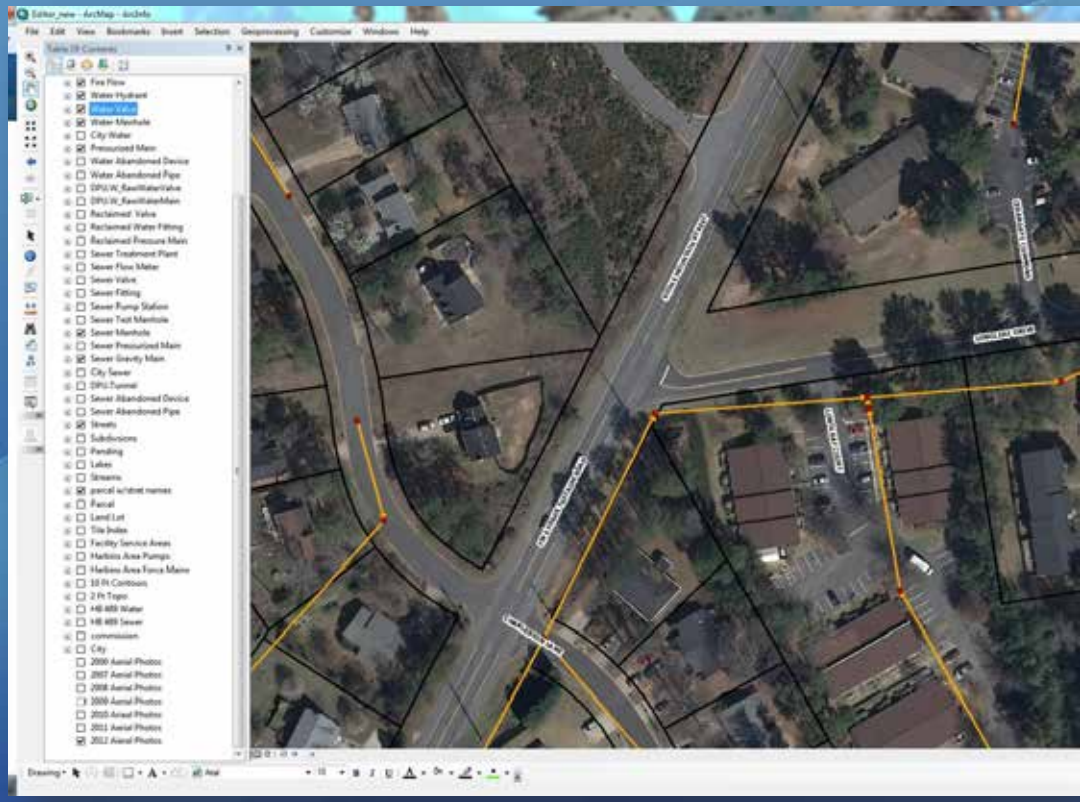
Gwinnett County Water System

- Water Mains — 3,655 Miles
- Hydrants — 41,810
- Valves — 38,694
- Tanks — 13
- Booster Pumps — 30
- Water Production Facilities — 2

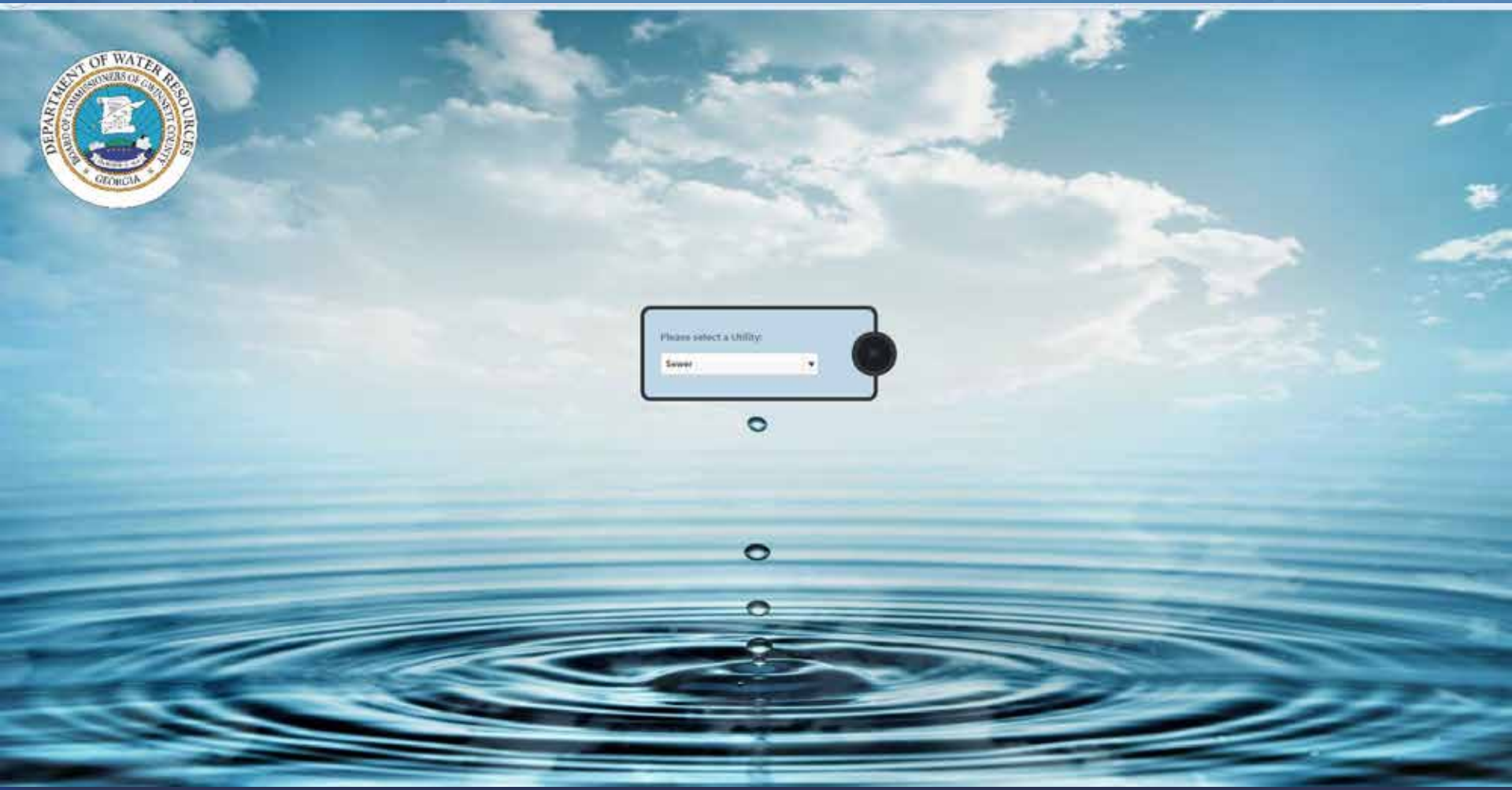


Problem

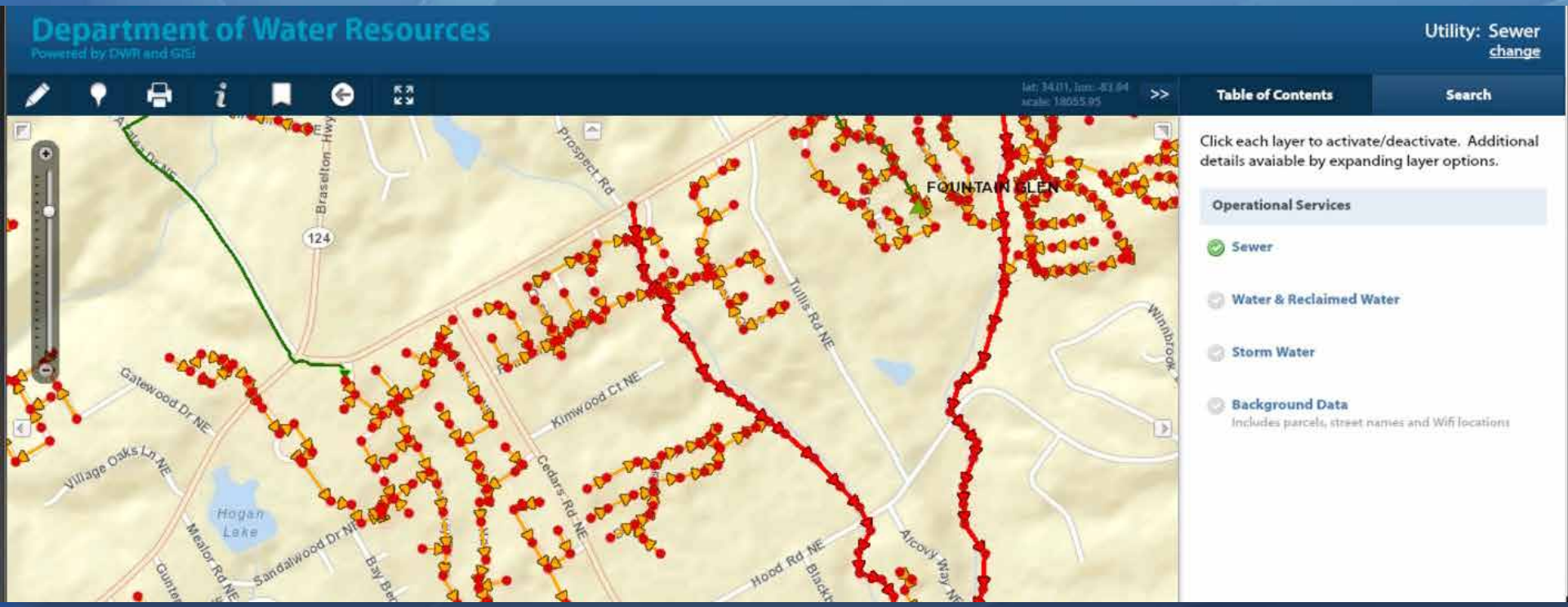
- Maintaining a Massive Footprint
  - 250 Desktop
  - 115 Mobile
- Multiple Apps for Info
  - GIS
  - As-Builts
  - Inspections
- Non Intuitive – Had to be a GIS Geek



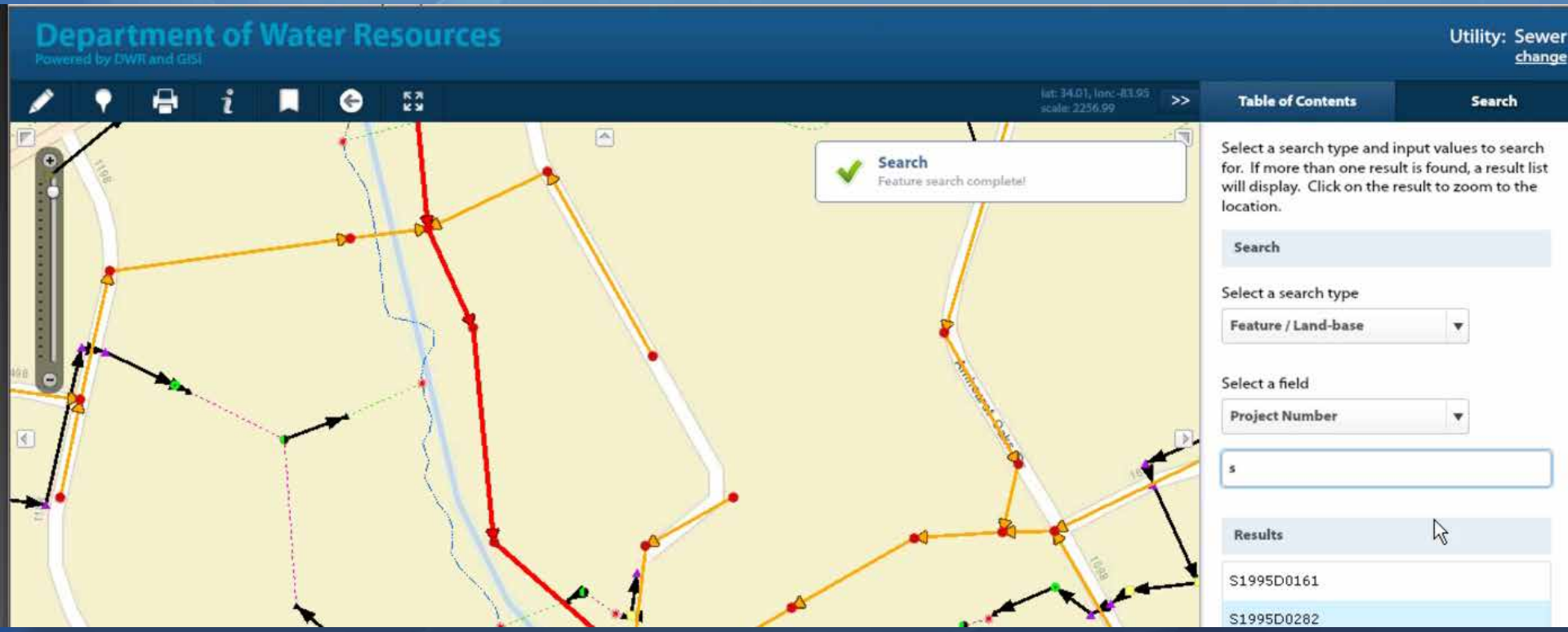
Solution



Solution


Department of Water Resources
Powered by DWR and GIS
Utility: Sewer
change
Table of Contents
Search
Click each layer to activate/deactivate. Additional details avaiable by expanding layer options.
Operational Services
Sewer
Water & Reclaimed Water
Storm Water
Background Data
Includes parcels, street names and Wifi locations
FOUNTAIN GLEN
Braselton Hwy
124
Prospect Rd
Tullis Rd NE
Kimwood Ct NE
Gatewood Dr NE
Village Oaks Ln NE
Hogan Lake
Sandalwood Dr NE
Cedars Rd NE
Hood Rd NE
Alcovy Way NE
Winnbrook

Solution


Department of Water Resources
Powered by DWR and GISi
Utility: Sewer
change
Table of Contents
Search
Search
Feature search complete!
Select a search type and input values to search for. If more than one result is found, a result list will display. Click on the result to zoom to the location.
Search
Select a search type
Feature / Land-base
Select a field
Project Number
s
Results
S1995D0161
S1995D0282

Solution

Department of Water Resources
Powered by DWR and GIS
Utility: Sewer
change
Table of Contents
Search
Identify Features
Select a feature from the drop down
Storm Water
FACILITYID 810961
SUBTYPE LakeLine
STREAM Null
County_Maintained No
Condition Fair
SHAPE.LEN 96.992356
Shape Polyline
Select a search type and input values to search for. If more than one result is found, a result list will display. Click on the result to zoom to the location.
Search
Select a search type
Feature / Land-base
Select a field
Project Number
s
Results
S1995D0161
S1995D0282

Results

<u>Added efficiency!</u> Translated into savings (money & time) for the DWR

- **Footprint Reduction**
  - **200 Desktop**
  - **115 Mobile**
- **Gateway to information**
  - **1 App for GIS, As-Builts, Inspections, etc.**
- **Intuitive – Easy to Use**
  - **Happy Users**
  - **Fast**
  - **Limited “hand holding”**

Next Steps

- **Lucity Integration (Work Orders)**
- **ArcGIS Online & ArcGIS for Local Government**

Questions

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