Enterprise GIS
Steering Committee Meeting

February 8, 2019
1. Welcome and introductions
2. Utilities Implementation
3. Developing Initiatives
4. Other Business
5. Next Meeting: August 2019
Utilities Implementation

Schedule

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Enterprise GIS – Utilities Data Partners

NC State Enterprise Utilities

- EH&S
- U&E
- F&A/AiM
- FCAP
- GIS
- BM&O
- Grounds
- ComTech
- FIS
Stormwater Data

Stormwater Working Group

Energy Systems
Andrew Futrell
Data Owner
Lead Geometry Editor

Environmental Health and Safety
Karen Trimberger
Permitting Subject Matter Expert
Information Editor

Grounds Services
Steve Ratzlaff
Stormwater Control Measure
Subject Matter Expert
Information Editor

Office of the University Architect
Heath Huovinen
Survey Subject Matter Expert
Secondary Geometry Editor

Enterprise GIS Group
Data Administrator
Technical Support

https://ncsugisweb.oit.ncsu.edu/ncstate-stormwater-viewer/
Stormwater Data

- **Structures**: 3,915 Inlets, 2,365 Junctions
- **Pipes**: 92 miles Total Length, 4,597 End Types
- **Valves**: 5 Locations
- **Stormwater Control Measures**: 225 Locations, 47 acres Total Area
Utilities Implementation

FY 2018-2019 projects

Water Distribution

https://ncsugisweb.oit.ncsu.edu/ncstate-waterdistribution-viewer/
Utilities Implementation
FY 2018-2019 projects
Sanitary Sewer
Wolf Tracts Web App

Web Application for Viewing Land Records

Wake County Progress
- 166 Parcels mapped, Wake County Totaling 4,832 acres
- Reconciled with 212 records in AERES
- 139 Easements mapped to date
- 33 Leases mapped for Wake County
- 1 Land use restriction
- 1 Cemetery

https://ncsugisweb.oit.ncsu.edu/wolftracts
Wolf Tracts Progress to Date

Hill Demonstration Forest
2,483 acres

Butner Beef Cattle Field Laboratory
1,310 acres

Briggs Ave. Community Garden
45 acres

TOTAL AREA
~3,838 acres

Reconciled with records in AERES
Parcel Data Next Steps

Wake County to be completed by EOY 2019
- Reconcile 192 Wake Co easement AERES entries
- Lease agreements
- Add conservation areas
- Add land use restriction areas
- Add cemeteries
Statewide Inventory
- Approximately 101,348 acres represented above
- Approximately 106,900 acres statewide
- Currently 8,670 acres in Wolf Tracts
- 8% of lands have been added to Wolf Tracts
- 367 records in AERES for entire state, 43 counties

This effort will continue until all properties have been accounted for and reconciled with entries in AERES and other Institutional knowledge (EOY 2020)
Online Campus Map

GIS-based Web Mapping Application

August 2018 – Move to Enterprise GIS Administration

Maintained and Delivered via Foundational GIS Framework

Primed for Enhancement
Online Campus Map

Enhancements

Add Interactive Toolbar with Selectable Layer Functionality

Add New Campus Feature Layers
  Housing
  Dining
  Construction Zone Impacts
  ADA Parking

Add Aerial Imagery

Review and Revise Basemap Design and Update Methodologies
Planimetric Mapping Data

CAD-based Mapping Integration with GIS and Asset Management

Implement CAD Standards

Integrate CAD Data with Enterprise GIS

Connect and Share GIS Data with Asset Management Systems
Other Business

Next Meeting: August 2019