Garland Power & Light

Tracking, Reporting, and Auditing All Edits in Your GIS

EMPOWER YOUR QAQC

Common GIS Questions

- How do we view ALL Edits in a version?

- What's the easiest way to verify edits against a work order?

- How do we know the user didn't edit anything else (on the other side of the service territory)?

- Can we QAQC ALL Edits in a version?

- Is there any way to Audit the edits in GIS?

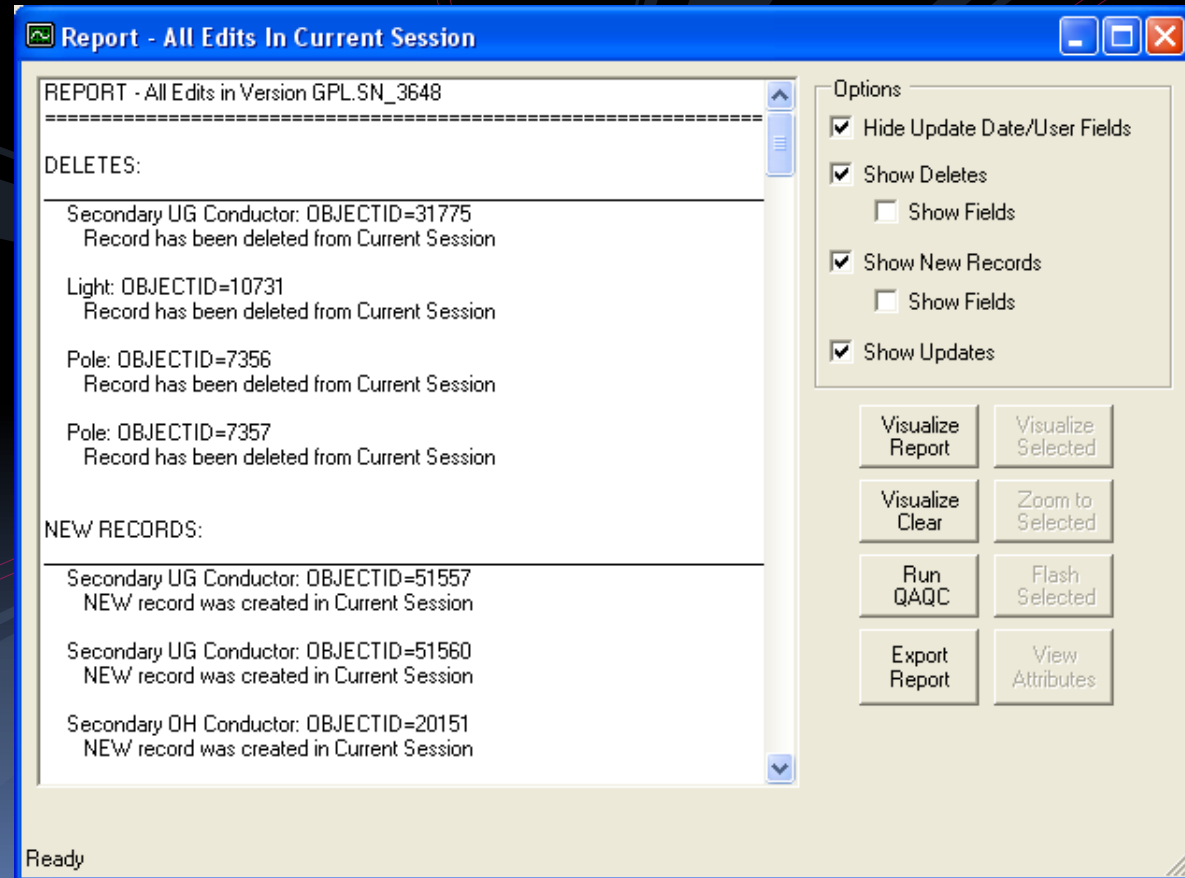- Who did _What_, _When_, and _Where_?

ALL Edits Report & QA Tool

- Total Control and Tracking Capabilities of Edits
  - ESRI Versions
  - TM&M Sessions / Designs
- Interactive Analysis Before Posting
  - Text-based Reports
  - Graphical Representation on the Map
- ALL Edits are Captured:
  - Additions
  - Changes / Updates
  - Deletes

Simple User Interface

- Shows ALL Edits in the Current Version

Text-based Edit Report

- *Deletes:* Record Type, ObjectId, and all attributes of the deleted record

- *Adds:* Record Type, ObjectId, and all attributes of the added record

- *Updates:* Record Type, ObjectId, and list of all fields that changed with the original AND updated values
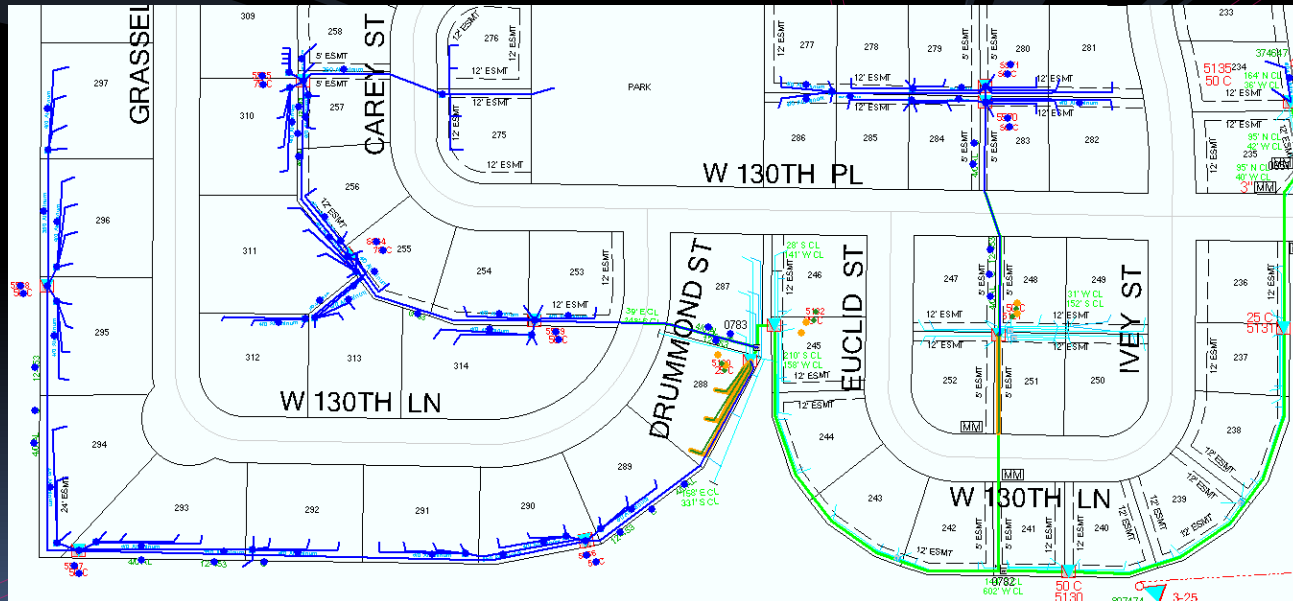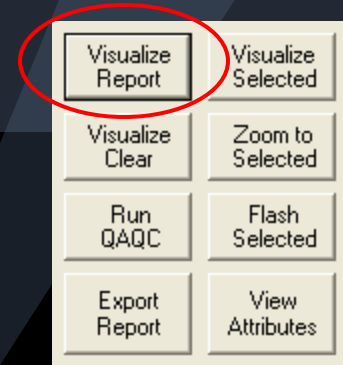
Options
- ☑ Hide Update Date/User Fields
- ☑ Show Deletes
  - ☐ Show Fields
- ☑ Show New Records
  - ☑ Show Fields
- ☑ Show Updates

- Quickly and Effectively Review the Edits
- Toggle the checkboxes to update the report
- Useful when QA'ing against a written WO/SR

Report Visualization

- View the full extent of the edits in the version
  - Additions – Blue
  - Deletions – Red
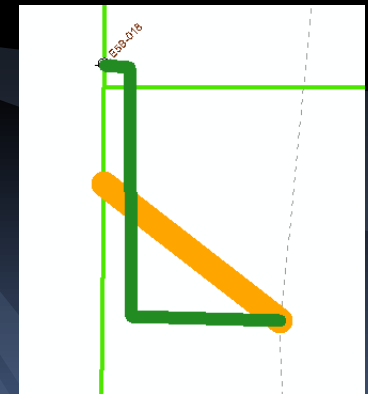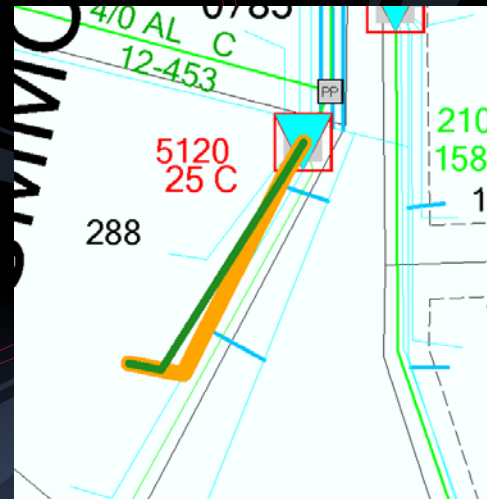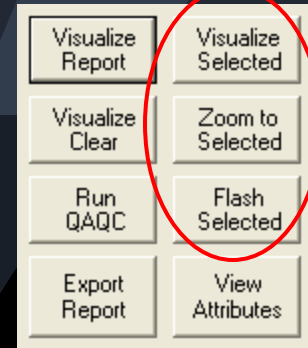 - Updates - Green (with Orange showing original geometry)

- Allows QA to easily identify edits outside of designated area

Report Visualization

- Select Any Item in the Report to:
  - Zoom to Selected
  - Flash Selected
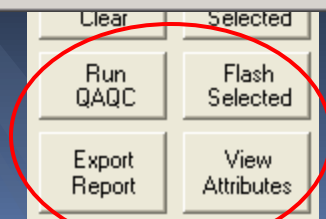 - Visualize Selected
  - Visualize Clear

Report QA & Historical Tracking

- View Attributes
  - See changed fields
- Run 3rd Party QAQC
  - ESRI / ArcFM
  - QA All Edited features and objects
- Export Report
  - Text-based Report
  - Named with Version Name and Date
  - Easily Searchable
  - Optionally store in a database

AUTO All Edits Report

- To ensure edits are captured for historical and/or audit purposes
- Can be plugged into most Batch Reconcile and Post (BRP) Services
  - TM&M Geodatabase Manager (9.3 rev 2)
  - TM&M BVRP or BRP
  - SSP Innovations BRP
  - Most other Custom BRP Tools built with COM or Microsoft .Net
- Automatically creates an All Edits Report during the Posting process for each version
- Extremely useful for determining edits made in past versions

All Edits Report & QA Tool

- Currently Deployed at 3 Major Utilities
- Demo
  - *Michael Young*
    - GIS Manager
    - Garland Power & Light (Garland, TX)
    - Using the All Edits Report for 18 months

All Edits Report & QA Tool

Questions / More Information

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