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National States Geographic Information Council

Oregon's Address Point Data Repository Project

Leveraging Resources

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Address Point Data Repository

- Creating statewide address repository
  - Compilation of local address points
- Oregon has 290+ address authorities
  - Different capabilities, technologies
- Addressing process is similar for all
  - Messy, not standardized statewide
- No address repository exists now

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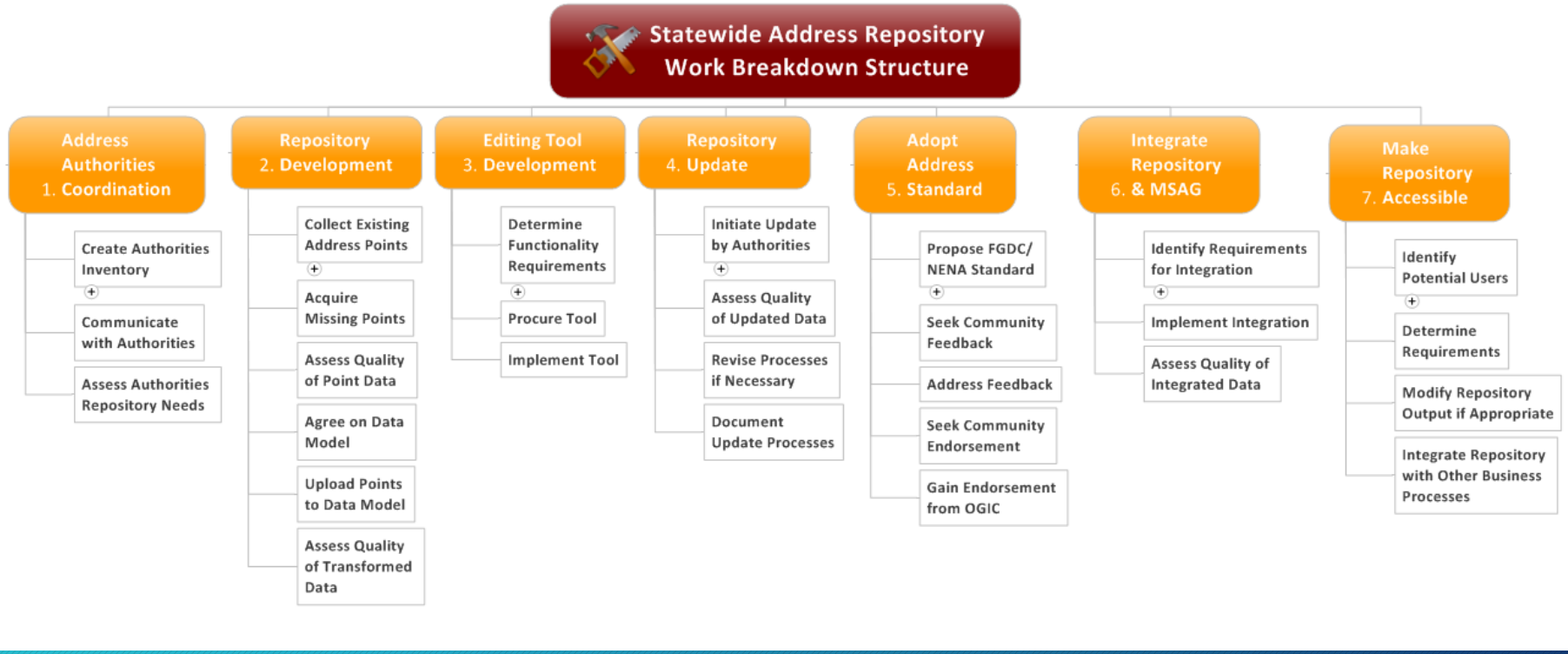
Address Point Data Repository

- Primary business driver is public safety
- Coordinating with 911, Broadband, GIS
- Held meetings with address authorities
- Summits in 4 places with large groups
  - Address Authorities, PSAPs, GIS Managers
- Working with regional address data aggregators on technical processes
- Data structure based on national standards
  - FGDC data content and NENA exchange

Connecting to Existing Applications

- An enterprise address repository
  - Supporting authoritative addresses and data connectivity across the enterprise of government in Oregon
  - Making the Address Repository the "go-to" place for addresses for government agencies
    - Quality assurance and documentation provide "evidence" of the value of the data
  - Places GIS and addresses at the center of enterprise business processes
    - Addresses are the common thread through most organizations' applications and work flows

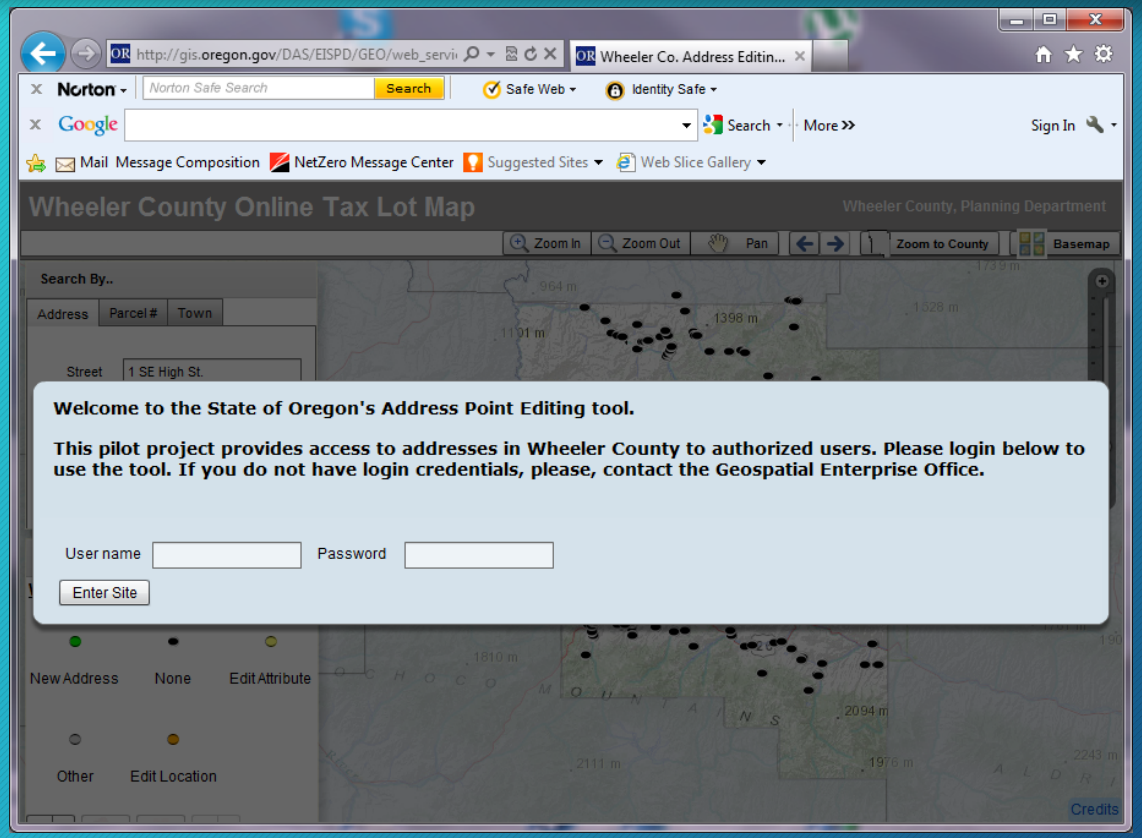
Address Repository Project WBS



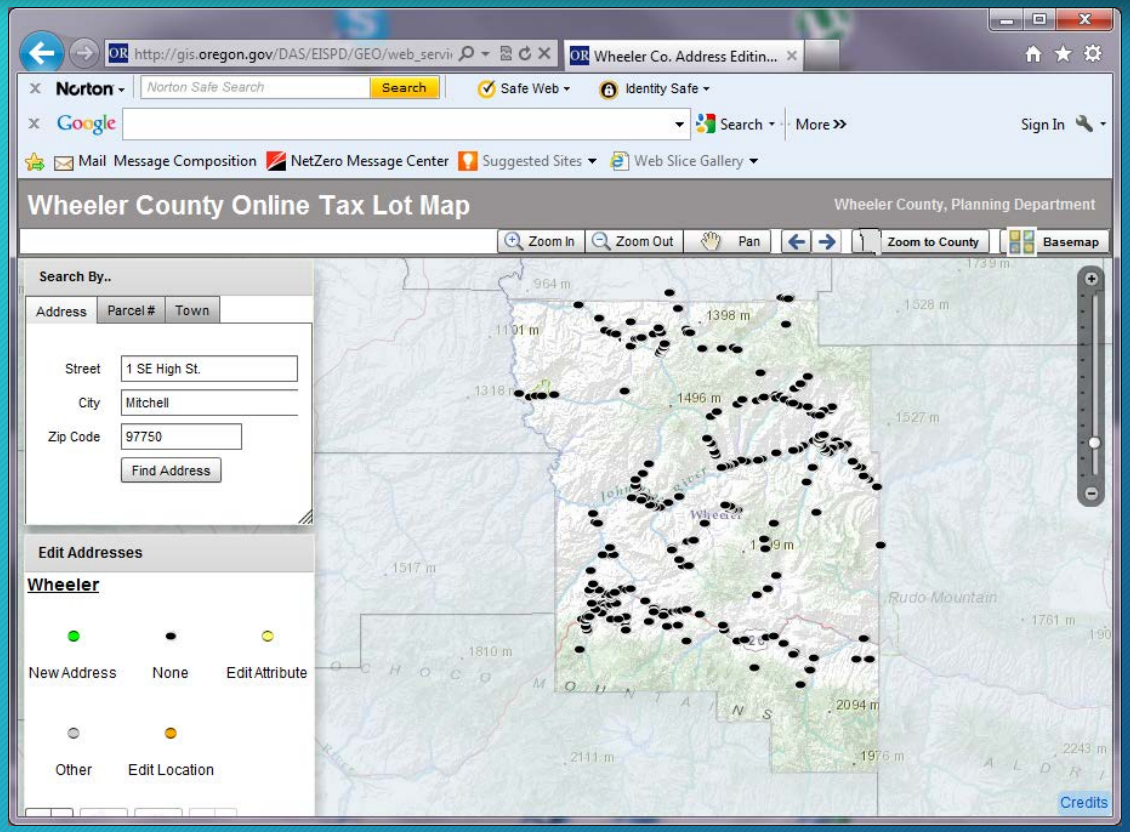
Standardizing the Data

- Extract/Transform/Load Tool(s)
  - Means no one has to change their process
  - Does NOT change the address information
- Address Creation/Editing Tool(s)
  - Operated by local address authorities
  - Intended for those that don't have tools now
  - Gets data to repository after QA/QC

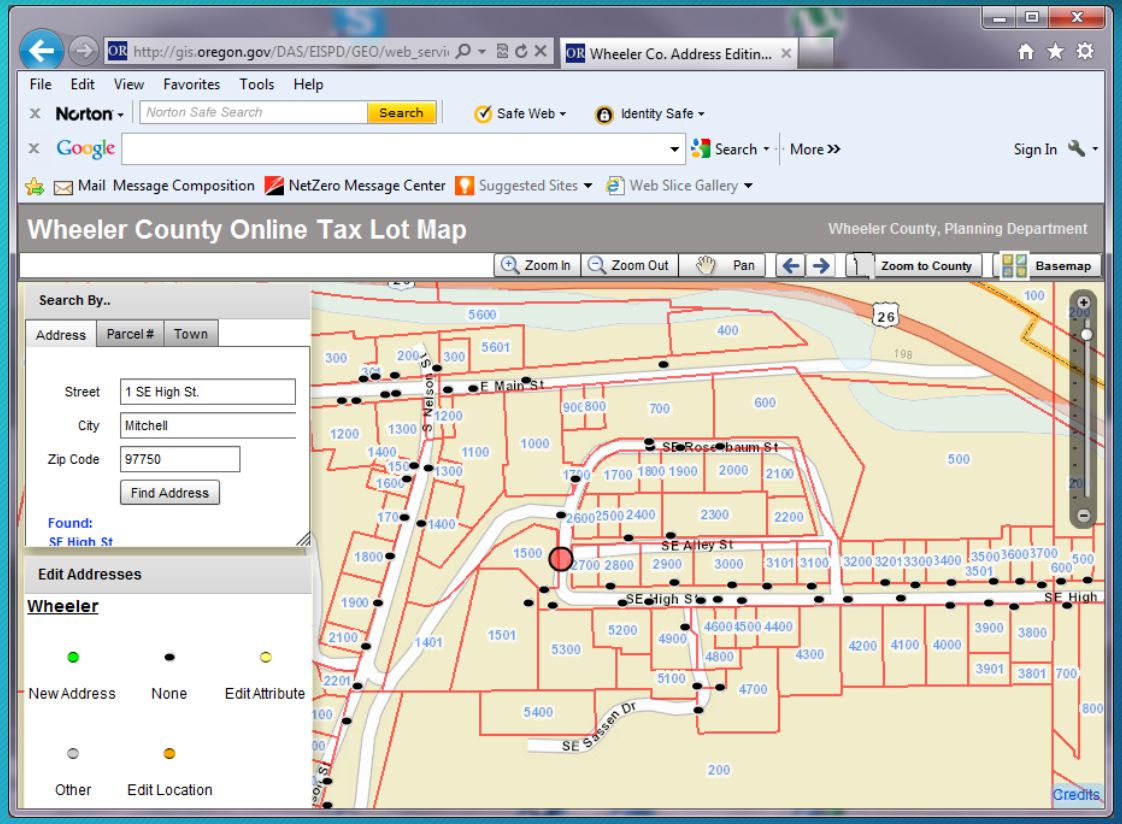
Secure, role-based access



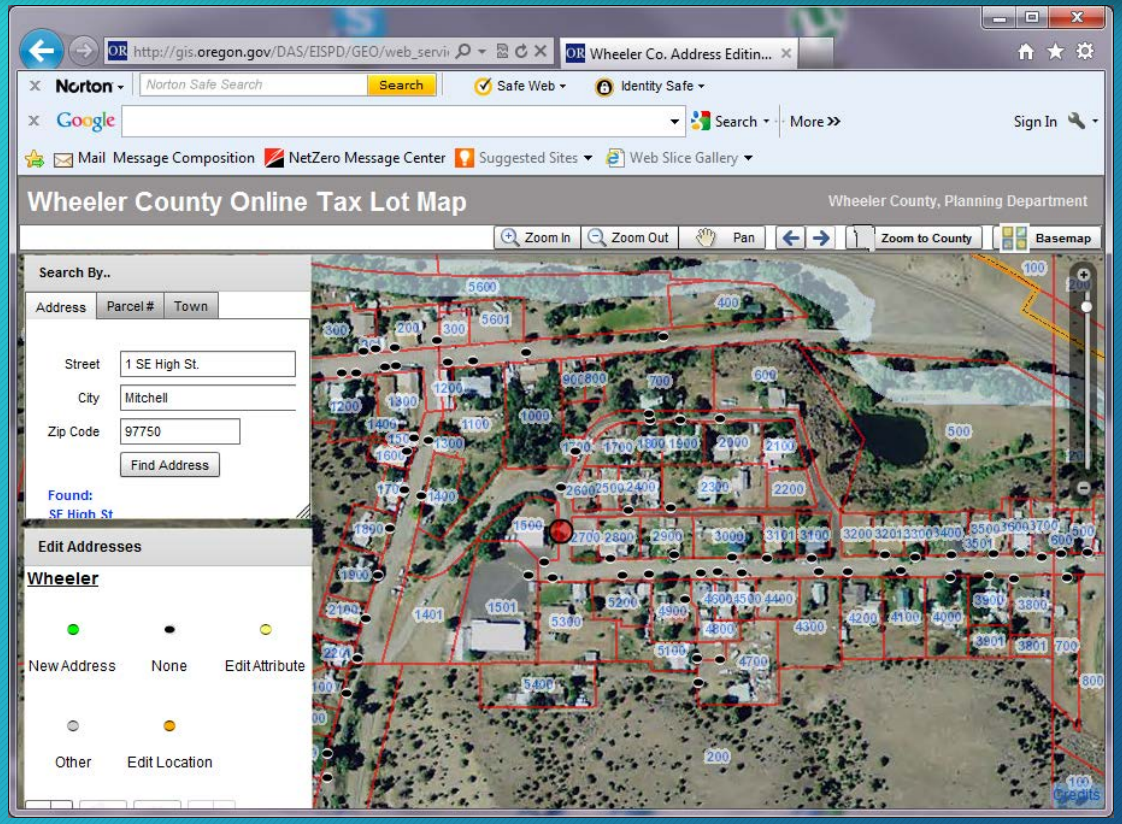
Easy to navigate, familiar look and feel



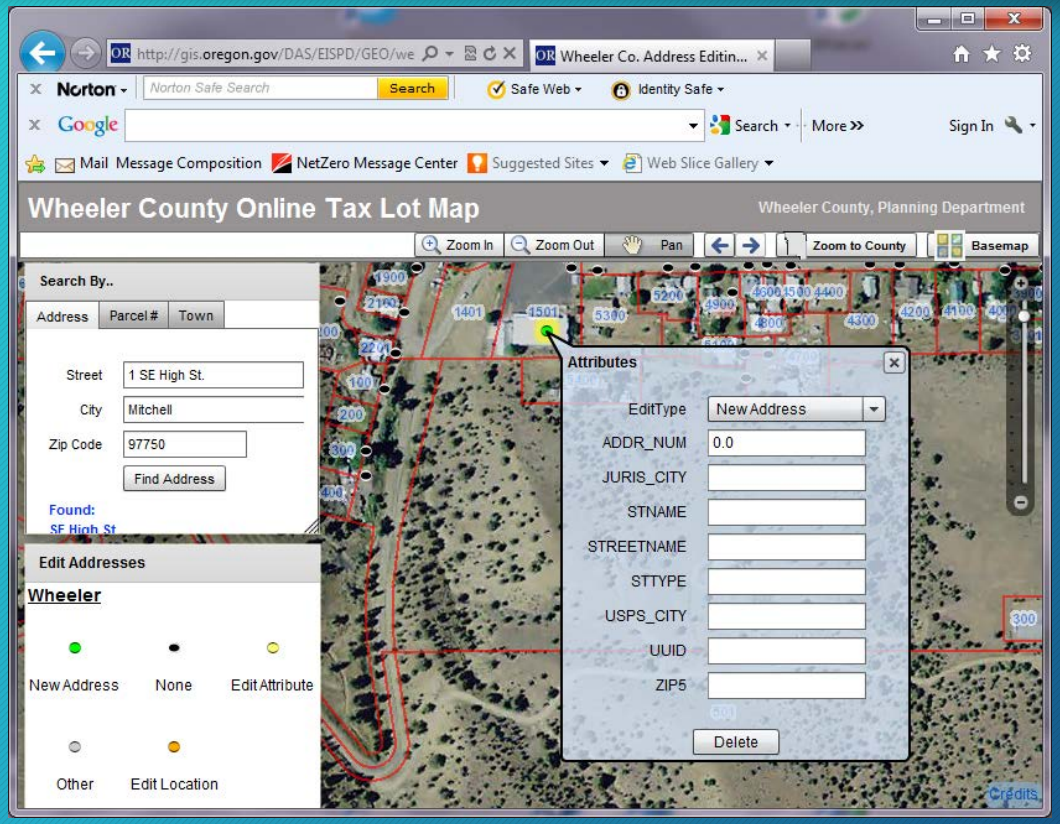
Easy navigation, search tools



Multiple base maps, including current aerial photography



Straightforward data entry or editing



QA/QC Procedures

- Initial File Checks
  - Format
  - Extent
  - Schema
  - Completeness
- Review Random Sample of Points
  - Geometry accuracy
  - Attribute accuracy

Next Steps

- Evaluating COTS and open source tools for address creation/editing
- Initiating pilot projects with four counties to test various work flow situations
- Looking at ETL options, including FGDC-funded tools and FME

Leveraging Broadband Grant Resources

- Initial grant created data model, populated with four counties' data
- Cost about $275,000, subcontracted to Sanborn
- Supplemental grant allows additional work (approx. $175,000) for project manager, ETL tool, and web-based repository maintenance tool

Leveraging 911 Resources

- Oregon Emergency Management is already spending $6,000/month/PSAP on data
- That amounts to about $3.3M/year
- Some amount of that (not sure how much) is dedicated to address points
- A local company has contracts with 18 counties to develop address points using 911 funds

Coordination Efforts

- Our team & OEM met several times with the company creating address points
  - Discussed and agreed on data model
  - Developed understanding of QA/QC they do
  - Tightened relationship for future work
- Our team met with many address authorities in small groups around the state
  - Inform them about the Address Repository project
  - Find out about their work flows
  - Get their endorsement of the project

Project Charter

- Co-sponsored by OEM and CIO
- Project goal: create a statewide address point repository from local, authoritative data, accessible to all government agencies
- Project will build on existing investments in address point creation and planning efforts
- Project funding will be provided jointly by OEM and CIO

Thank You

For further information, please contact:

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