

FGDC – Cadastral Subcommittee Video Meeting May 24, 2021

The FGDC Cadastral Subcommittee Video meeting to review the developing parcel polygon web service

Participation

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Meeting Discussion

The pilot project to explore the feasibility and requirements for a nationwide web and feature service for parcel polygons has been proceeding on the Landgrid and Esri development servers. We want to show the outcomes of the testing thus far and discuss consensus for moving the development to a Department of Interior (DOI) or FGDC sponsored server cluster.

Purpose: To provide viewing, service, and data accessibility to nationwide parcel polygons that will inform on parcel data availability without introducing redundancy or duplication.

Concept: Provide viewing, service, download, and link to authoritative data stewards for available nationwide parcel polygons.

Results of Testing

It is possible to serve 175 million parcel polygons on a web service. The scale of viewing, tiling, and zoom control are critical to performance. The initial service was an open-source viewer.

The Esri Arc GIS online viewer was able to host the open-source viewer and add an overlay of state-county data sources and contact information.

One state source parcel data was hosted as a vector viewer and feature service is possible.

Additional work is needed on the following topics

- Improved cartography and presentation of data steward information

- Possible tools to upload additional state data sets

- Update workflow and testing for updates from the state stewards

- Relationship and definition for “fill in” data where state sources are not available

- Access including viewing, tiling, downloads, and feature services

The presentation discussed at the meeting can be found at this link.

<https://www.fairview-industries.com/webdocs/NationalParcelPolygonsConceptDiscussion.pdf>

Discussion and Consensus

The participants concurred with actions to move forward to a DOI or FGDC server cluster depending on which is available or more appropriate. We will also be moving forward with advancing the additional work as resources become available.