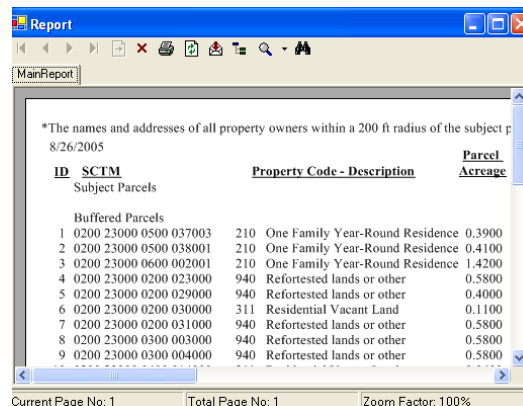
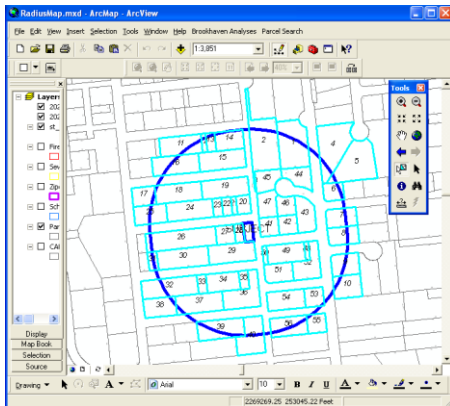


Town of Brookhaven Assessor's Office GIS Update

GPI

Asset Management / GIS



Client/Owner: Town of Brookhaven

Project Location: Brookhaven, NY

GPI developed an ArcGIS application for the Assessor's Office that assisted in the following:

- The development of radius maps for subject parcels
- Calculating percentage of accessory apartments within a user-defined radius of a subject parcel
- Development of mailing labels and other reports
- Adhoc querying using both spatial and non-spatial data
- Overlay digital tax map information over digital aerial mapping
- This VB.NET application integrates data from both the Town's ArcSDE layers and data stored in the Oracle-based assessment system.

During this project, GPI also provided the following services:

- Assisted the Town in configuring the required SDE layers for this project.
- Provided Oracle expertise to maximize performance of data access.
- Installed and tested the new applications in the Town.
- Developed and documented a reference manual and training materials for instituting both procedures.
- Provided technical support to ensure the application met the client's needs.
- Trained Town personnel on ArcGIS basics, application use, and adhoc querying using spatial and non-spatial data.

In the initial stage of the project, GPI conducted a needs analysis, which provided the following:

- Recommendations for modifications of existing computer equipment.
- Specifications for new hardware/software equipment the Town will have to purchase.
- Proposed workflow to be used in conjunction with automation applications.
- Once the findings of the needs assessment were reviewed and approved by the client, GPI developed the following automation applications:

- GIS Data Manager - This program updates the databases used for the Geographic Information System processes of radius map generation and parcel maintenance from the Assessor's Mainframe database.
- Parcel Maintenance - GPI developed a customized application that allows its user to split or combine parcels as well as provides a database to record who modified the parcel, and when. This application is based on ESRI's ArcView and Cedra- AVParcel.
- Radius Map - This customized ArcView application allows the user to select a parcel by several methods: owner name, item number or by tax map number. The user can then select the desired radius and output needed. This application can produce radius maps with selected parcels along with mailing labels.