

Forfeiture Data Collection

Mobile App with Collector for ArcGIS

Allegan County GIS
www.allegancounty.org/gis

July 26, 2018

Contents

0.1	Forfeiture Data Collection	3
0.1.1	Problem and Analysis	3
0.1.2	Design	4
0.1.3	Hard Copy Record	6
0.1.4	User Manual	7
0.1.5	Software	8

0.1 Forfeiture Data Collection

0.1.1 Problem and Analysis

Background

Treasurer department has an annual responsibility to properly document the tax forfeiture process. The LIS Department built an application in MS Access and MapInfo that consumed a daily export from BSA and was deployed to the field on a laptop. A digital camera was used for site photos and later imported into the laptop.

Statement of Problem

Current Tax Forfeiture workflow is built on MapInfo software which has been replaced by ESRI software. The Forfeiture data collection application must be recreated in the ESRI framework.

Analysis

Tax Forfeiture Application will facilitate:

- Mobile data collection on handheld device via Collector for ArcGIS configured with Allegan County GIS Portal (**device app**)
 - Device app will:
 - * Synchronize with data in the office (online)
 - * Navigate to forfeiture sites (offline)
 - * Collect data and photos of forfeiture sites (offline)
 - * Synchronize the collected data with data in the office (online)
- Daily form production and printing for each site visited with required data and images.

0.1.2 Design

Forfeiture Data Collection

Three parts of the daily routine:

1. Pre-processing (in the office):
 - Export current forfeiture list from BSA
 - Update webmap layers with results from BSA export
 - Synchronize from webmap layers to field collection device (**device app**)
2. Field data collection with device app:
 - Support navigation to forfeiture sites
 - Provide a checklist of data points about the site
 - Attach photos to the site
 - Save results for synchronization in post-processing
3. Post-processing (in the office)
 - Synchronize data and images collected in device app to webmap layers

Backend Data Details

ForfeitureParcels Dat is in

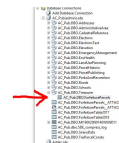


Figure 1: live data

ForfeitureParcels Feature Class

Details about the data

Collector Setup Details

Install Collector for ArcGIS from Google Play Store

0.1.3 Hard Copy Record

0.1.4 User Manual

0.1.5 Software