

## Forfeiture Mobile App

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### 0.0.1 FORFEITURE DATA COLLECTION

## 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

The current Tax Forfeiture workflow is built on MapInfo software and MS Access and executed on a laptop pc. Both MapInfo and MS Access are no longer supported in county workflows. ESRI software can be used to rebuild the workflow. *Forfeiture Data Collector Application, (Forfeiture App)* must be recreated in the ESRI framework.

### Analysis

**Forfeiture App** will facilitate: *Mobile data collection on a handheld device,:* (**Mobile Interface**) and an *in office workflow to complete data processing,* (**Pre and PostProcessing**)

### Mobile Interface

- Synchronize with data in the office (online)
- Collect data and photos of forfeiture sites (offline)
- Synchronize the collected data with data in the office (online)

### Pre & Post Processing

- Produce and print a form for each site visited with required data and images

## Device 2 Field Operation

Select a parcel 

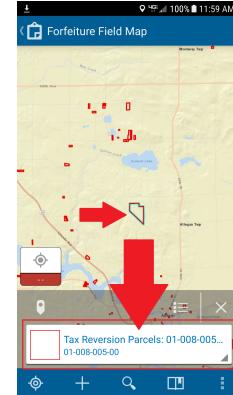


Figure 0.1: Select Parcel

Attachment 

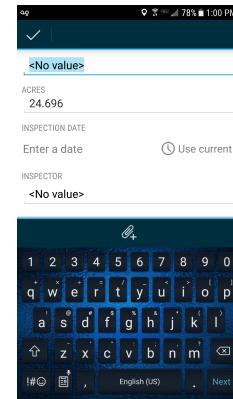


Figure 0.2: Add Attachment

Gallery 

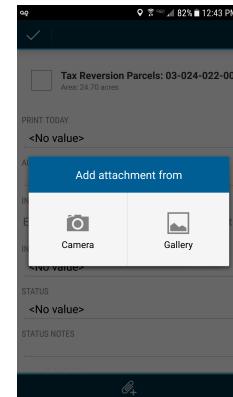


Figure 0.3: From Gallery

## Device 2 Field Operation

(cont.)

Open Camera Folder 

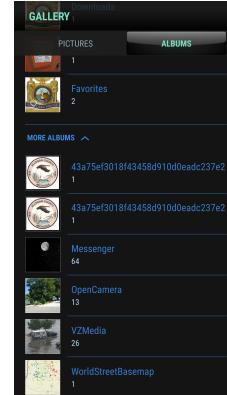


Figure 0.4: Open Camera Folder

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Select image 

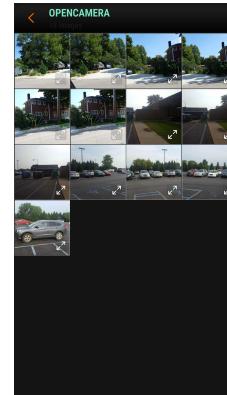


Figure 0.5: In the Open Camera Folder

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Check Mark 

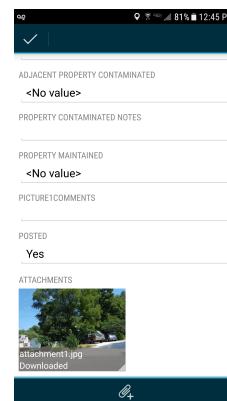


Figure 0.6: Image in the App

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# DAILY POSTPROCESSING ROUTINE

## Syncronize Data and Print Report

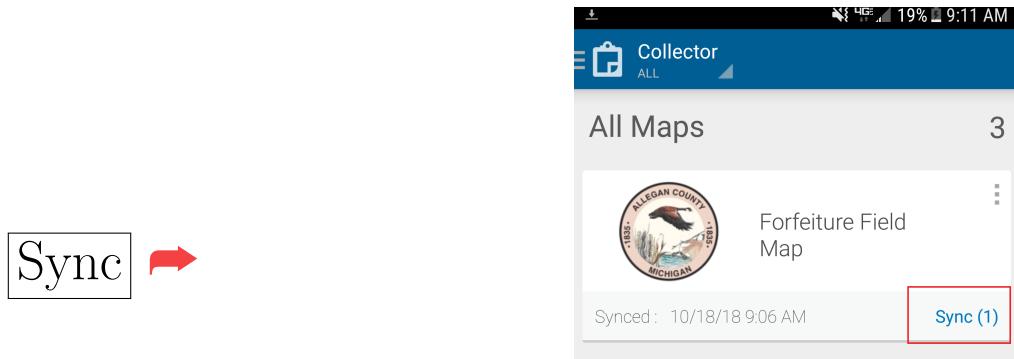


Figure 0.7: Sync

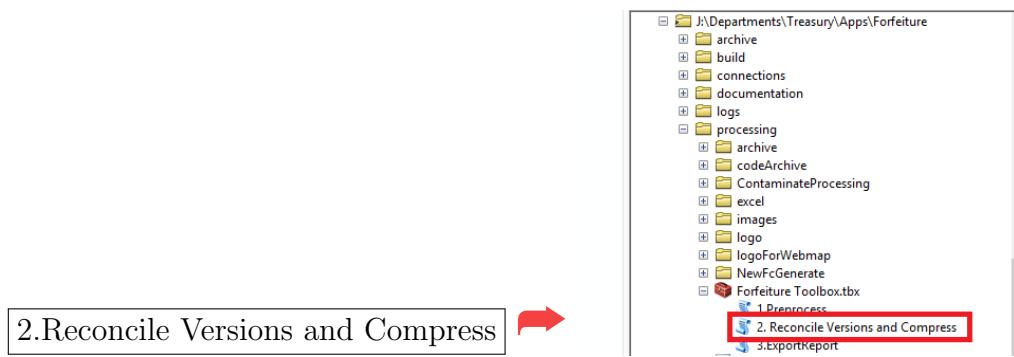


Figure 0.8: Double Click



Figure 0.9: Double Click

# SOFTWARE

## ESRI Licensed Products

### ArcDesktop

Users of this application need a license to ArcGIS Standard level.

### Enterprise ArcGIS Deployment

This app uses ArcGIS Server and ArcGIS Portal.

### Collector for ArcGIS

Developed and tested on Android(7.0). Collector is available at the Google Play Store.

## Other Software

### Open Camera for Android



Figure 0.10: Open Camera from Google Play Store