

Forfeiture Mobile App

W W W . A L L E G A N C O U N T Y . O R G / G I S

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0 . 0 . 1 F O R F E I T U R E D A T A C O L L E C T I O N

P R O B L E M A N D A N A L Y S I S

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

DESIGN OVERVIEW

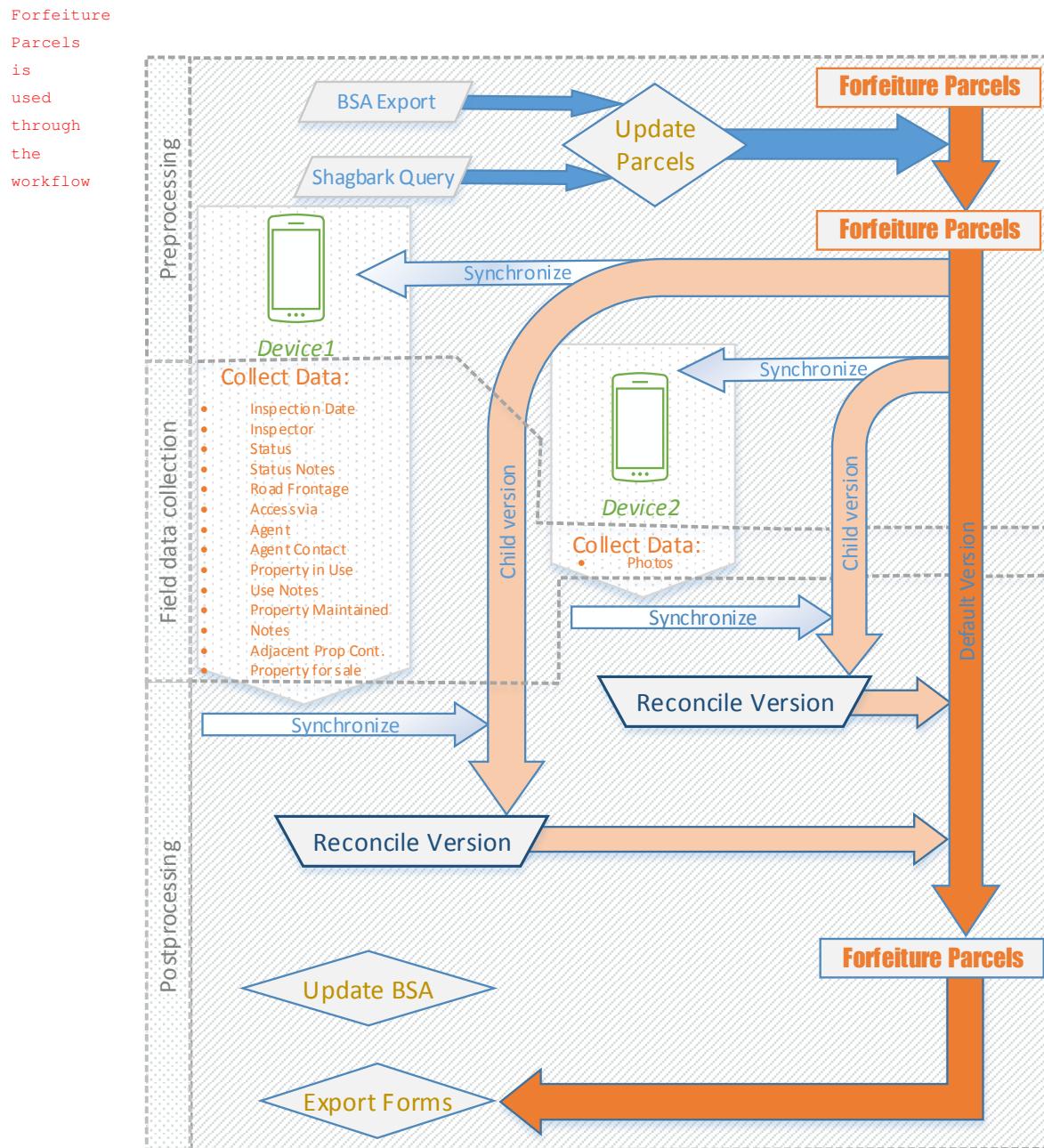


Figure 0.1: Project Design

Forfeiture App Summary

There are **three parts** to the daily routine:

1. Preprocessing (in the office):

- Export current forfeiture list from BSA
- Update Forfeiture Parcels with BSA export
- Update Forfeiture Parcels with contaminated sites information
- Synchronize Forfeiture Parcels to Mobile Interface

2. Field data collection with Mobile Interface:

- Aids in navigation
- Provides a Checklist of data points for each site
- Attaches photos for each site
- Save results for synchronization in post-processing

3. Post-processing (in the office)

- Synchronize data and images collected in Mobile Interface to Forfeiture Parcels
- Export form for each site
- Print form for each site
- Update BSA data

Technologies Used in The Forfeiture App

BSA Data

Details of parcels in the forfeiture process are managed in BSA Delinquent Tax.net. The Treasurer office does a BSA export of the parcels in need of a site visit in the pre-processing.

ArcGIS Desktop

Tools are designed to preprocess and post-process forfeiture parcel data for fieldwork. The user will execute a preprocess script tool that prepares the data for field deployment. After fieldwork, a post process script tool synchronizes data from the fieldwork with the live data on the Allegan County network.

ArcGIS Collector

A free mobile application developed and tested on Android is deployed to the field for data collection. The application is con-

figured to work offline (without an internet or cellular connection) by syncronizing before and after fieldwork. The user collects the necessary information on each forfeiture parcel in the field disconnected, and then uploads the changes when reconnected.

Enterprise Geodatabase

Live data from a publishing geodatabase (ACPub), running on SQL Server database server (acintsql01) provides access to Forfeiture Parcels

ArcGIS Portal

Forfeiture Parcels is served as a feature service (REST service) named TaxReversionParcels. A webmap on Portal, called the Forfeiture Field Map consumes the TaxReversionParcels exposing the data to editing. The Forfeiture Field Map is configured to work in the ArcGIS Collector App.

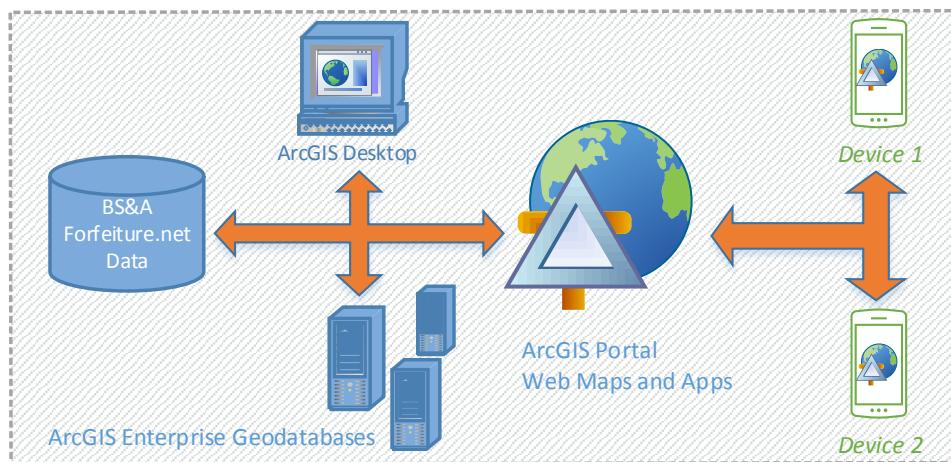


Figure 0.2: Technology Design

DATA DETAILS

The data is located in a geodatabase called ACPUB. ACPUB is on SQL Server AC-INTSQL01.

Forfeiture Parcels Data

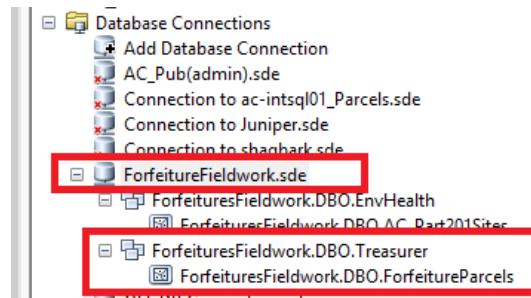


Figure 0.3: Live Data Location

Contamination Data

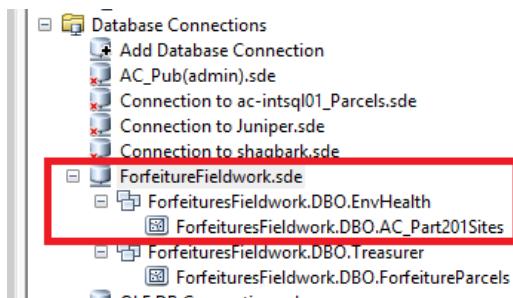


Figure 0.4: Contamination Feature Class

ForfeitureParcels Feature Class Details

Attribute Details			
Field Name	Field Alias	Entry Type	Note
PropertyNumber	Property Number	Prefilled	NA
Need2Print	Print Today	Dropdown	Yes or No
InspectionDate	Inspection Date	Autofill or Dropdown	NA
Inspector	Inspector	Dropdown	NA
Address	Address	Prefilled	NA
Status	Status	Dropdown	NA
StatusNotes	Status Notes	Open Entry	120Char
Roadfrontage	Road Frontage	Dropdown	Yes or No
AccessVia	Access Via	Open Entry	30Char
Agent	Agent	Open Entry	30Char
AgentContact	Agent Contact	Open Entry	30Char
PictureComments	Picture Comments	Open Entry	50Char
PropertyInUse	Property In Use	Dropdown	Yes or No
UseNotes	Use Notes	Open Entry	120Char
PropertyMaintained	Property Maintained	Dropdown	Yes or No
PropMaintNotes	Property Maintained Notes	Open Entry	120Char
PropertyContaminated	Property Contaminated	Prefilled	Preprocessing
PropertyContaminatedNotes	PropertyContaminatedNotes	Prefilled	Preprocessing
AdjacentPropertyContaminated	Adjacent Property Contaminated	Prefilled	Preprocessing
AdjPropertyContaminatedNotes	Adj Property Contaminated Notes	Prefilled	Preprocessing
PropertyForSale	Property For Sale	Dropdown	Yes or No
GlobalID	GlobalID	NA	NA
PostedDate	Posted Date	Dropdown	Date
Posted	Posted	Prefilled	NA
InList	In List	Prefilled	Preprocessing
PostedInList	Posted In List	Prefilled	Preprocessing
Acres	Acres	Prefilled	NA
Class	Class	Prefilled	NA

Table 0.1: Dataset Details

Webmap Details

The Forfeiture Field Map is made up of a feature layer and a basemap.

The screenshot shows the 'Forfeiture Field Map' details page. At the top, there's a blue header bar with the title 'Forfeiture Field Map' and navigation buttons for 'Edit', 'Overview', and 'Settings'. Below the header is a thumbnail image of the Allegan County Michigan seal. To the right of the thumbnail, the text reads: 'Map for field data collection in annual tax forfeiture processing by bmay531 Last Modified: August 21, 2018'. Below this is a 'Web Map' button and an 'Add to Favorites' link. The main content area includes sections for 'Description' (with a placeholder 'Add an in-depth description of the item.'), 'Layers' (listing 'TaxReversionParcels' and 'World_Street_Map'), and 'Access and Use Constraints' (with a placeholder 'Add any special restrictions, disclaimers, terms and conditions, or limitations on using the item's content.').

Figure 0.5: Web Map Details

Feature Layer Details

TaxReversionParcels has been configured for offline use.

The screenshot shows the 'TaxReversionParcels' details page. At the top, there's a blue header bar with the title 'TaxReversionParcels' and navigation buttons for 'Edit', 'Overview', 'Data', 'Visualization', and 'Settings'. Below the header is a thumbnail image of a red and white circular logo. To the right of the thumbnail, the text reads: 'Map service exposing treasurer forfeiture data for edits by bmay531 Last Modified: August 20, 2018'. Below this is a 'Feature Layer' button and an 'Add to Favorites' link. The main content area includes sections for 'Description' (with a placeholder 'Add an in-depth description of the item.'), 'Layers' (listing 'Tax Reversion Parcels' with options to 'Open In' or 'Service URL'), and 'Access and Use Constraints' (with a placeholder 'Add any special restrictions, disclaimers, terms and conditions, or limitations on using the item's content.').

Figure 0.6: Feature Layer Details

Basemap Details

- A tiled basemap service is used
- The infoserv user credentials are used for sharing
- The url for the shared service is:

https://tiledbasemaps.arcgis.com/arcgis/rest/services/World_Street_Map/MapServer

The screenshot shows the ArcGIS Online interface for the "World Street Map (for Export)" layer. At the top, there's a navigation bar with links for ArcGIS, Pricing, Map, Scene, Help, Sign In, and a search bar. Below the title, there are three buttons: "Open in Map Viewer", "Open in Scene Viewer", and "Open in ArcGIS Desktop". The main content area includes a description of the layer, a thumbnail image, and details about its creation and usage. On the right side, there are sections for "Details", "Owner", and "Tags".

Description

This layer presents highway-level data for the world and street-level data for many areas around the world. This layer is designed to support export of basemap tiles for offline use. ArcGIS Online Subscription required.

Tile Layer by Esri

Created: Oct 15, 2013 Updated: Aug 15, 2018 View Count: 39,772

Details

Source: Map Service
Size: 1 kB
★ ★ ★ ★ ★

Owner

Esri

Managed by:
esri

Tags

World, Global, Europe, North America, United States, Southern Africa, Asia, South America, Australia, streets, street map, tile package, basemap, highways, roads, transportation, landmarks, parks, community, community basemap, map, AFA250_base, current, esri_basemap, general availability, export

Figure 0.7: Basemap Source Description

HARD COPY RECORD

screenshots: arcmap map arcmap tools portal screenshots sql server mgt screen
shots phone screenshots

ArcGIS Server

A D M I N I S T R A T I V E M A N U A L

Annual Setup

A new dataset for forfeiture parcels must be created each year.

The forfeiture information comes from BSA Forfeitures.net.

Parcel geometry and other attributes comes from ACParcelsCombined.

To Connect to the Forfeiture Dataset

To Add a new database connection:

- Right Click on Add Database Connection
 - Enter these values into the tool

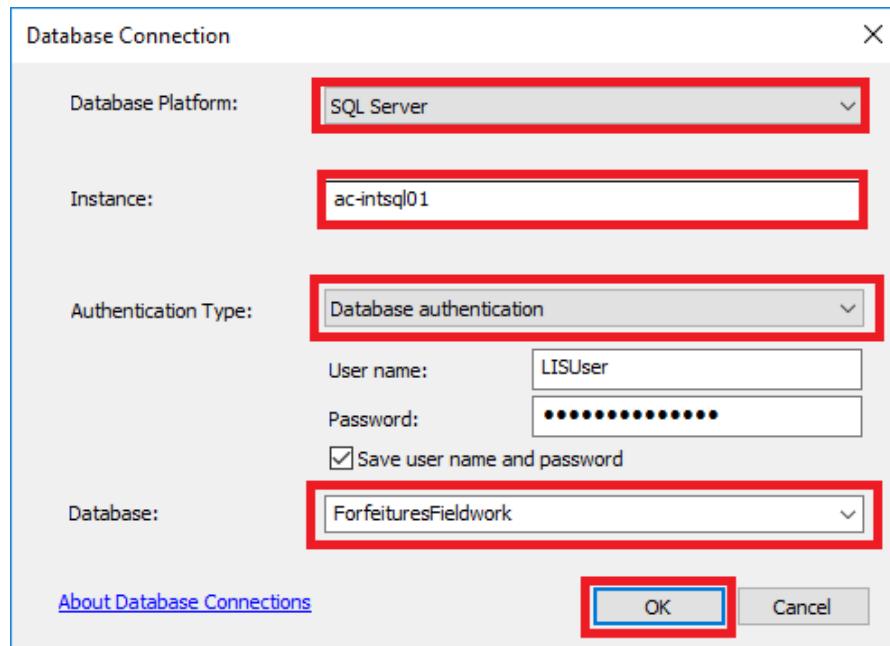


Figure 0.8: Add New Connection

Push **OK**

Update the Forfeiture Dataset

To clear the features from the existing dataset:

- Use the Delete Feature Tools
- For Input Features:
 - ForfeituresFieldwork.DBO.ForfeitureParcels

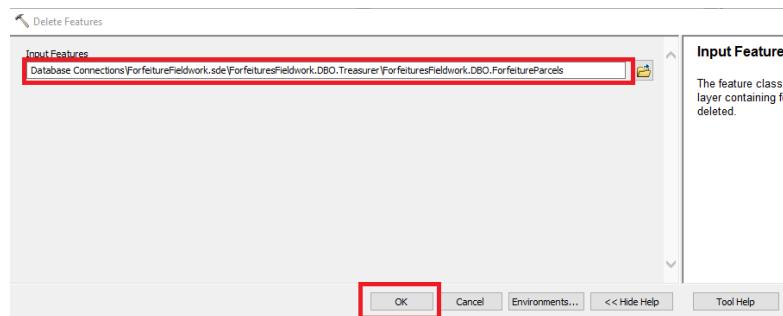


Figure 0.9: Annual Delete Features

Push **OK**

Delete the attached table

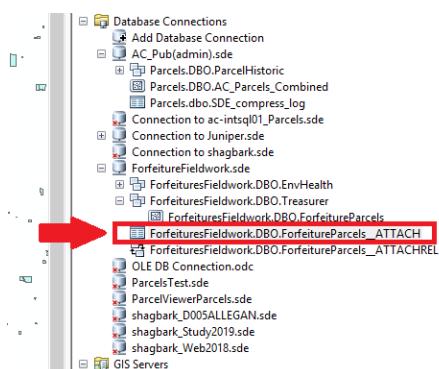


Figure 0.10: Delete Attached Table

Create new connection to BSA server

A connection to BSA is used to get the latest forfeiture information.

To Connect to the BSA Server

To Add a new database connection:

- Right Click on Add Database Connection
 - Enter these values into the tool

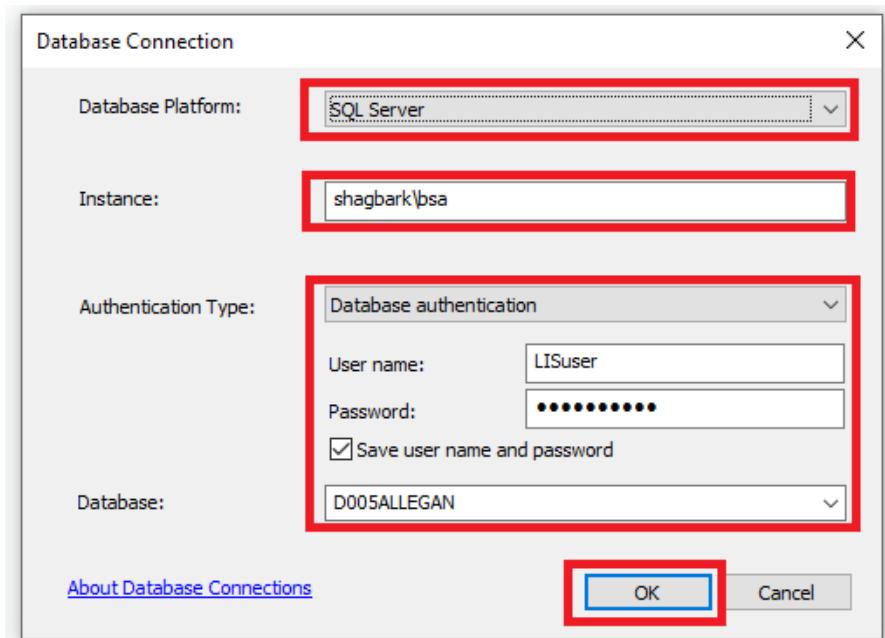


Figure 0.11: Connect to BSA Server

Push **OK**

Create a Table Query For the New Data

- File ➔ Add Data ➔ Add Query Layer
- Select your connection (*shagbark_D005ALLEGAN.sde*)

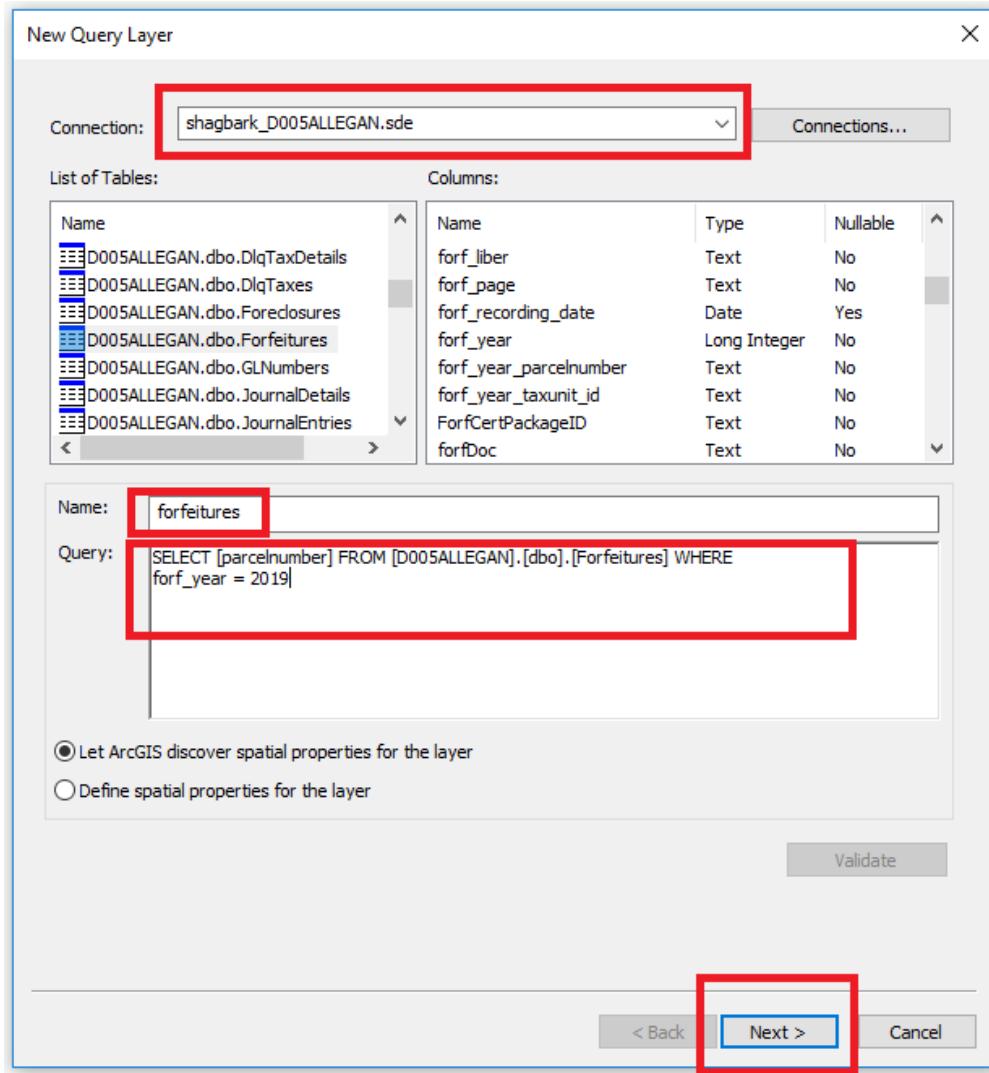


Figure 0.12: New Query Layer Dialog

Edit Query Text for current Year:

```
SELECT [parcelnumber] FROM [D005ALLEGAN] . [dbo] . [Forfeitures]
WHERE forf_year = 2020
```

Select a Unique Identifier

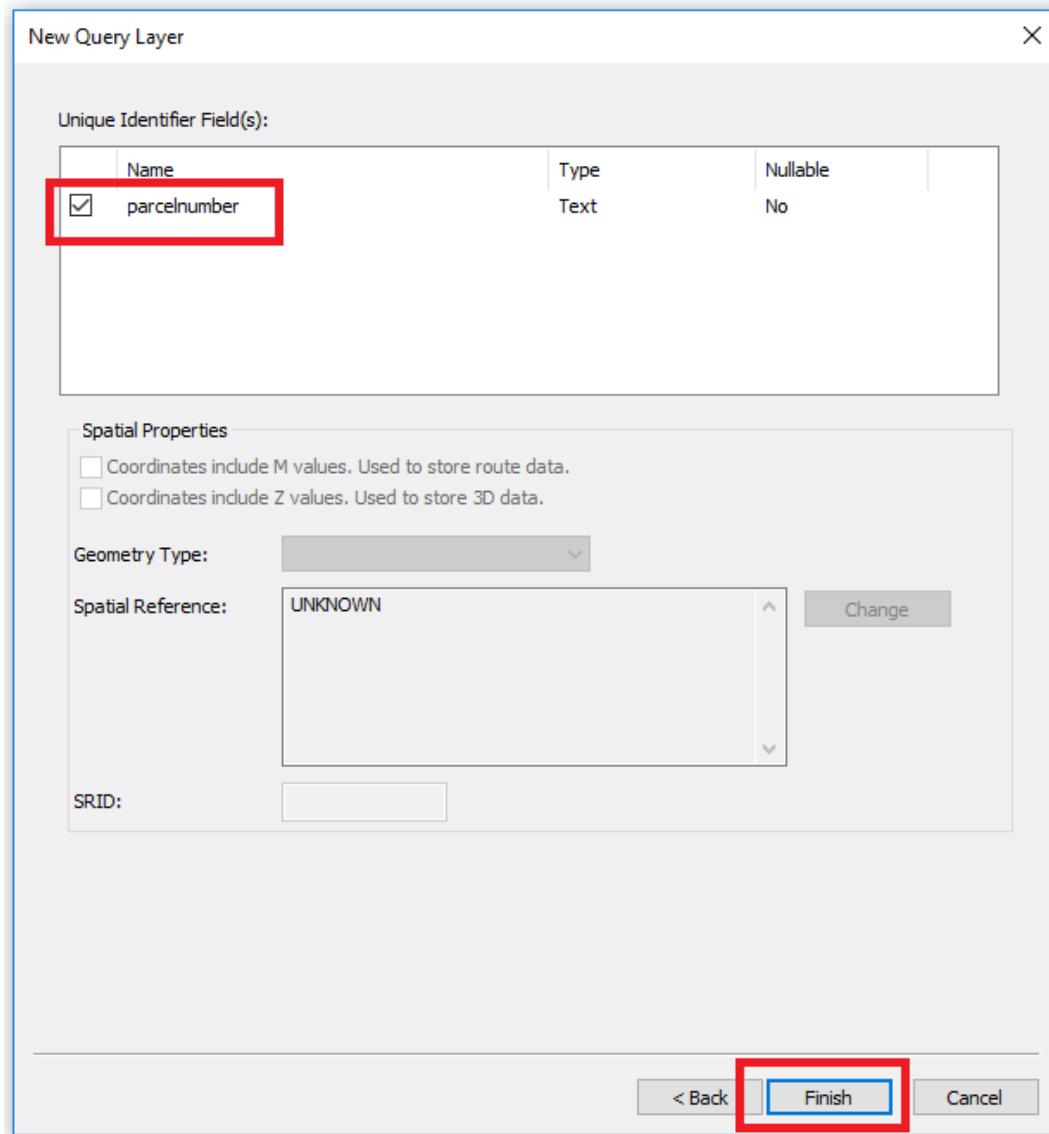


Figure 0.13: Query Layer Unique ID

Push **Finish**

Table is added to the map

The screenshot shows the ArcGIS Pro interface with two main windows. On the left is the 'Table Of Contents' window, which lists various layers including 'dbo.DEFAULT (ac-intsql01)', 'ForfeituresFieldwork.DBO.Treasurer', and 'ForfeituresFieldwork.DBO.ForfeitureParcels'. A red box highlights the entry for 'D005ALLEGAN' and its sub-layer 'D005ALLEGAN.DBO.forfeitures'. On the right is a 'Table' viewer window titled 'D005ALLEGAN.DBO.forfeitures', displaying a list of parcels with columns for 'parcelnumber' and 'ESRI_OID'. The data starts with 01-006-014-10 and continues sequentially. At the bottom of the table viewer, there are navigation buttons and a status bar indicating '(0 out of 905 Selected)'.

parcelnumber	ESRI_OID
01-006-014-10	1
01-007-012-00	2
01-013-031-10	3
01-013-031-20	4
01-017-001-20	5
01-018-038-00	6
01-019-001-13	7
01-019-005-97	8
01-019-027-00	9
01-020-024-00	10
01-026-020-00	11
01-030-014-10	12
01-030-019-00	13
01-032-033-00	14
01-034-087-00	15
01-034-108-00	16
01-035-020-20	17
01-035-030-00	18
01-035-044-00	19
01-035-044-10	20
01-035-044-11	21
01-035-049-00	22
01-036-008-00	23
01-120-013-00	24
01-120-029-00	25
01-120-031-00	26
01-120-032-00	27
01-240-003-00	28
01-250-001-00	29
01-300-004-00	30
01-320-020-00	31
01-320-021-00	32
01-370-016-00	33
01-610-025-00	34
01-610-026-00	35
02-001-010-20	36
02-003-018-00	37
02-004-013-00	38
02-005-004-20	39
02-007-025-00	40
02-010-012-20	41
02-011-007-00	42
02-011-022-20	43
02-016-007-00	44
02-017-011-20	45
02-018-000-00	46

Figure 0.14: Forfeiture Table Added

Add Parcels Layer to the Map

- Parcels are added to the map to provide parcel geometry and attributes
- Parcel year is = current year - 2
- I.E. Use ACParcelsCombHistoric2018 in 2020

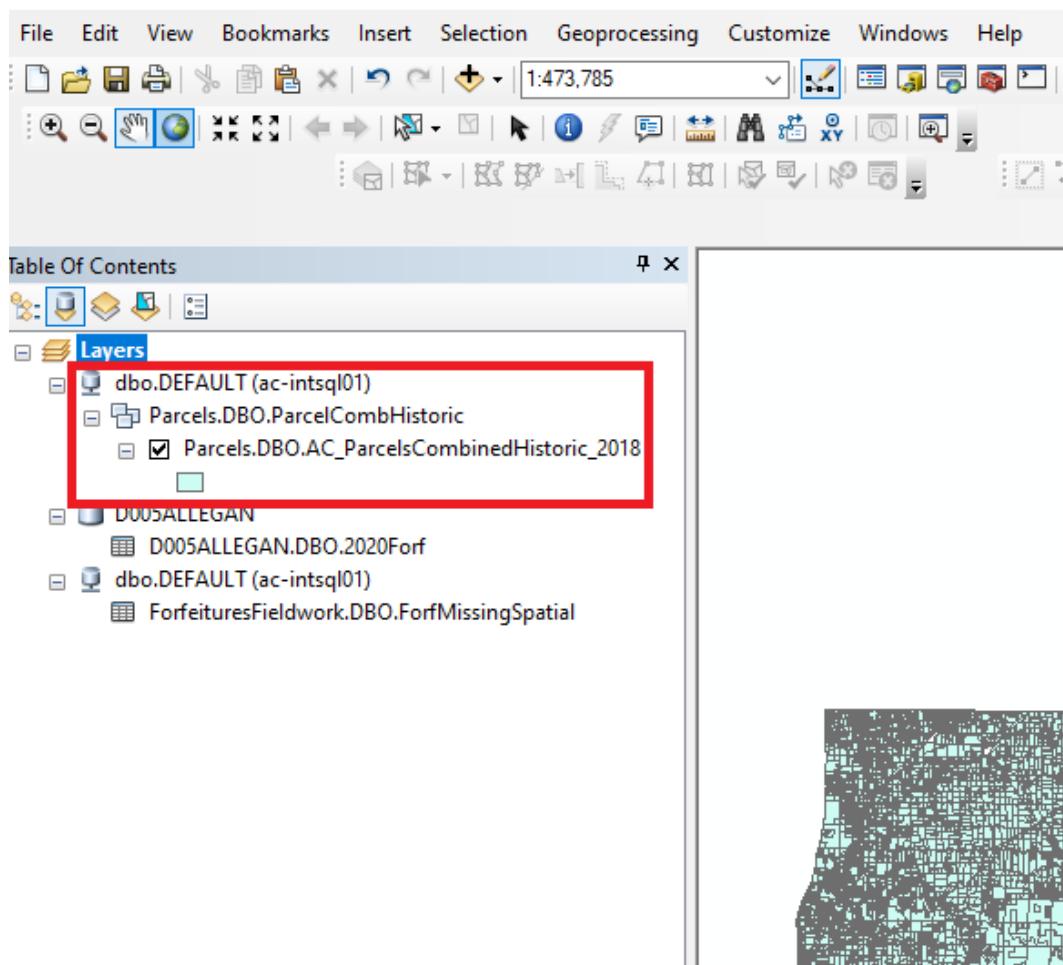


Figure 0.15: Parcels Layer Added

Forfeiture parcel missing spatial data

A temporary join, selection, and export will save these

➤ Join Parcels to Forfeiture table

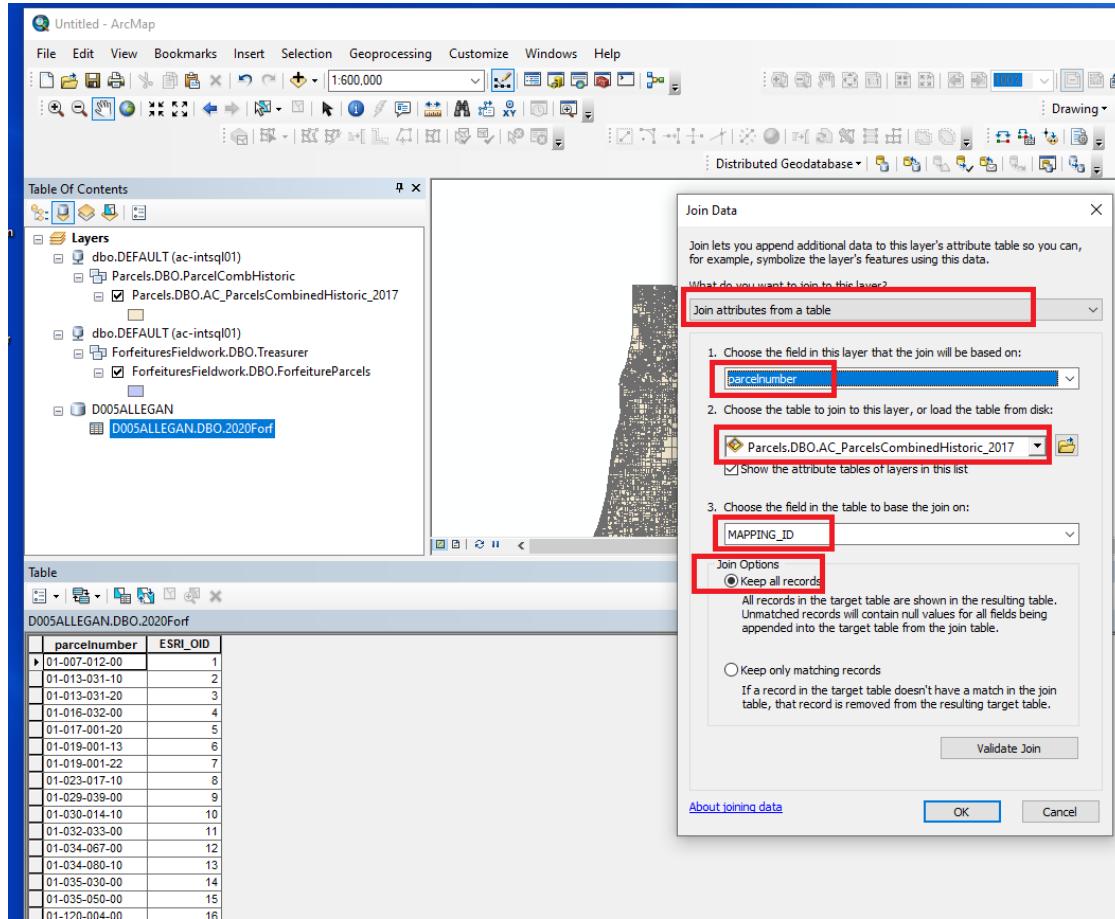
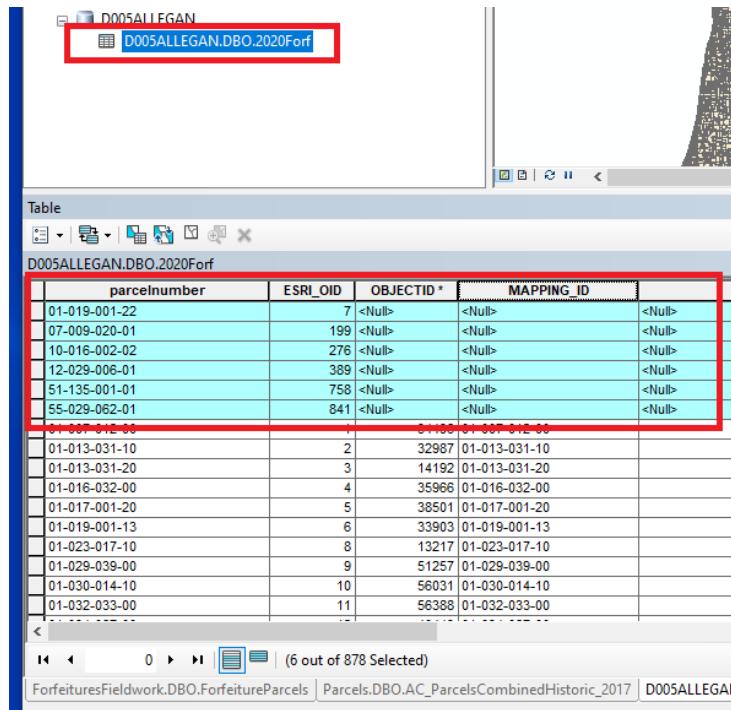


Figure 0.16: Join to Forfeiture Table

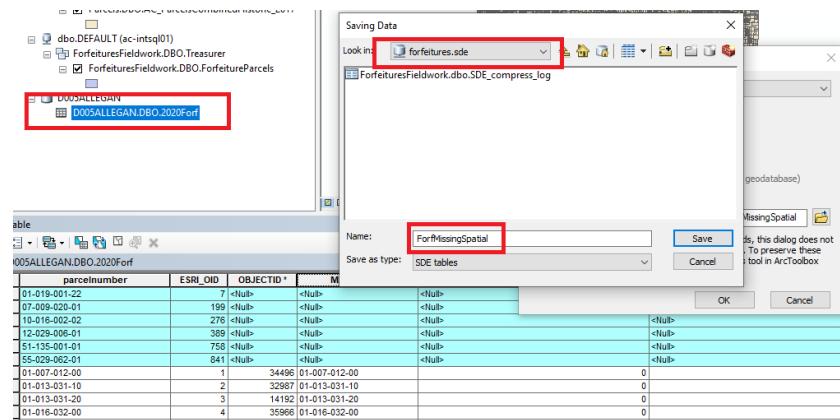
- Select any parcels missing spatial data



parcelnumber	ESRI_OID	OBJECTID *	MAPPING_ID
01-019-001-22	7	<Null>	<Null>
07-009-020-01	199	<Null>	<Null>
10-016-002-02	276	<Null>	<Null>
12-029-006-01	389	<Null>	<Null>
51-135-001-01	758	<Null>	<Null>
55-029-062-01	841	<Null>	<Null>
01-007-012-00	1	34496	01-007-012-00
01-013-031-10	2	32987	01-013-031-10
01-013-031-20	3	14192	01-013-031-20
01-016-032-00	4	35966	01-016-032-00
01-017-001-20	5	38501	01-017-001-20
01-019-001-13	6	33903	01-019-001-13
01-023-017-10	8	13217	01-023-017-10
01-029-039-00	9	51257	01-029-039-00
01-030-014-10	10	56031	01-030-014-10
01-032-033-00	11	56388	01-032-033-00

Figure 0.17: Select for Missing Spatial

- Export Parcels missing spatial to a table in the GDB



parcelnumber	ESRI_OID	OBJECTID *	MAPPING_ID
01-019-001-22	7	<Null>	<Null>
07-009-020-01	199	<Null>	<Null>
10-016-002-02	276	<Null>	<Null>
12-029-006-01	389	<Null>	<Null>
51-135-001-01	758	<Null>	<Null>
55-029-062-01	841	<Null>	<Null>
01-007-012-00	1	34496	01-007-012-00
01-013-031-10	2	32987	01-013-031-10
01-013-031-20	3	14192	01-013-031-20
01-016-032-00	4	35966	01-016-032-00

Figure 0.18: Export Missing Spatial

Create current year Forfeiture dataset

Create Join

- Create new join to *ACParcelsCombHistoricXXXX* of forfeitures on parcel numbers

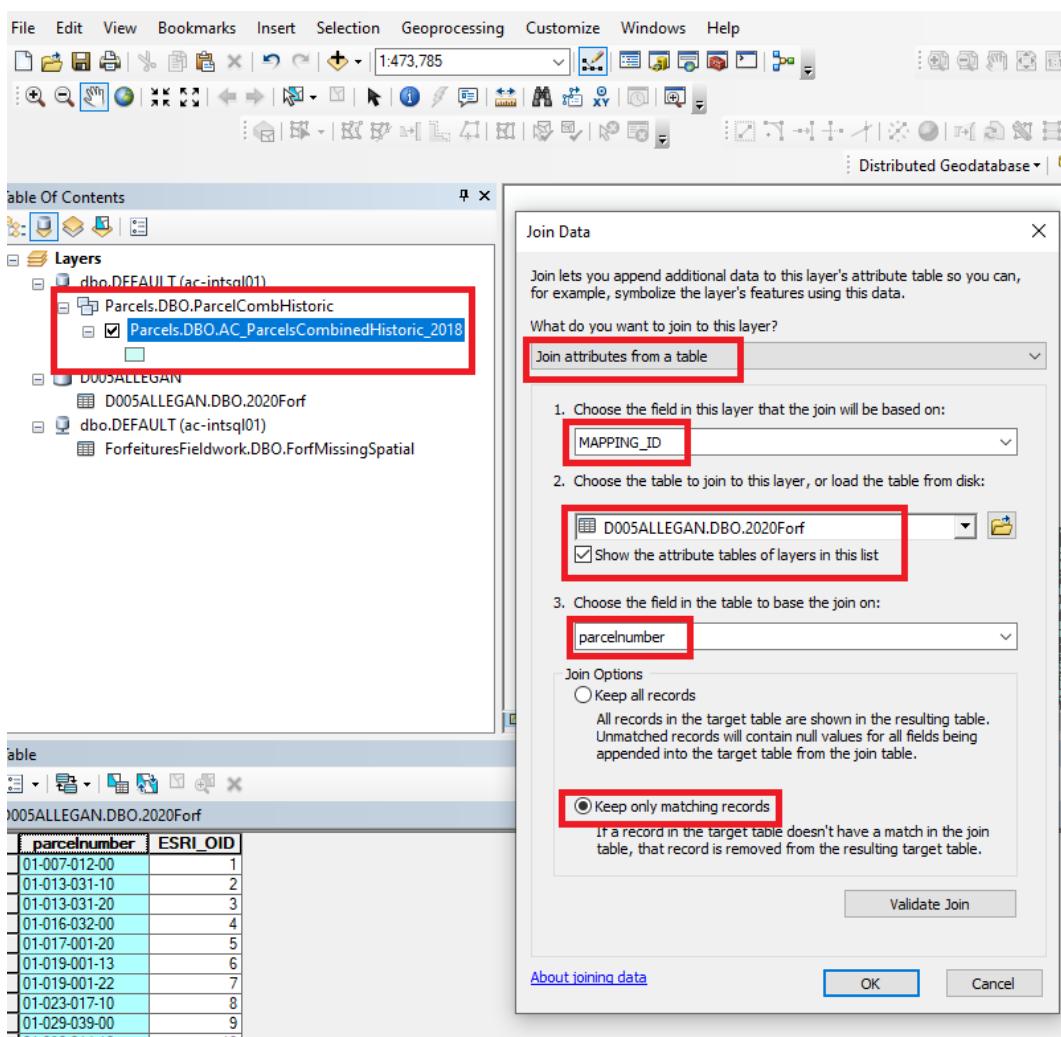


Figure 0.19: Join Parcels

Export Joined Features to a temp location

- Right click  on joined feature class in TOC and choose export

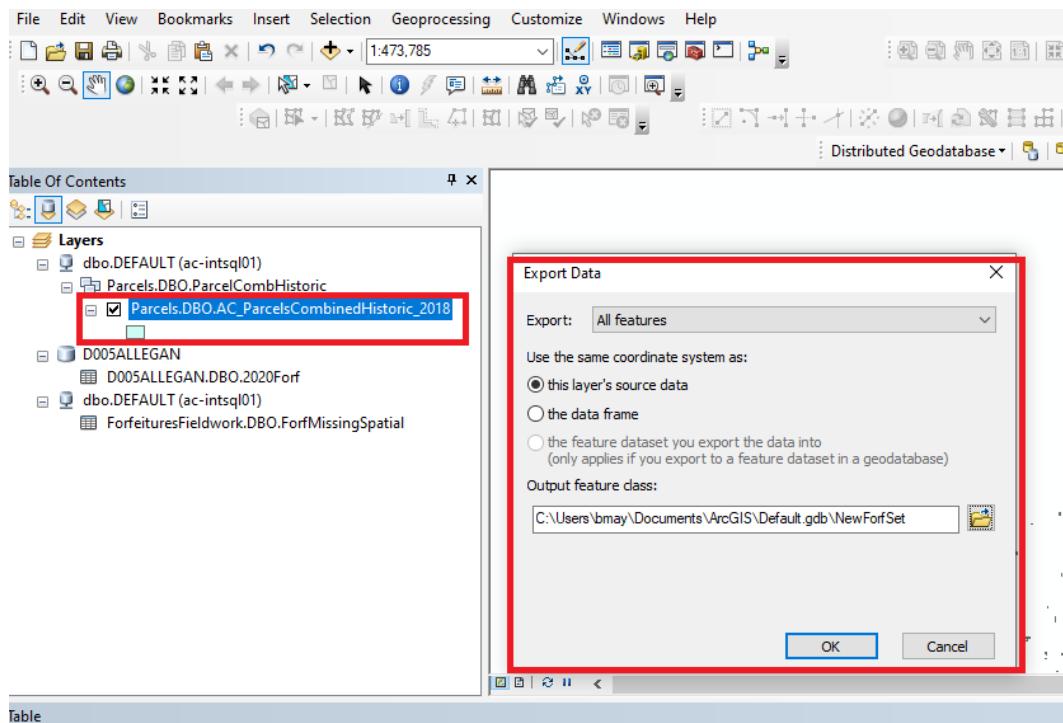


Figure 0.20: Export Joined Features

choose location and Push 

Load data from temp location to forfeitureParcels

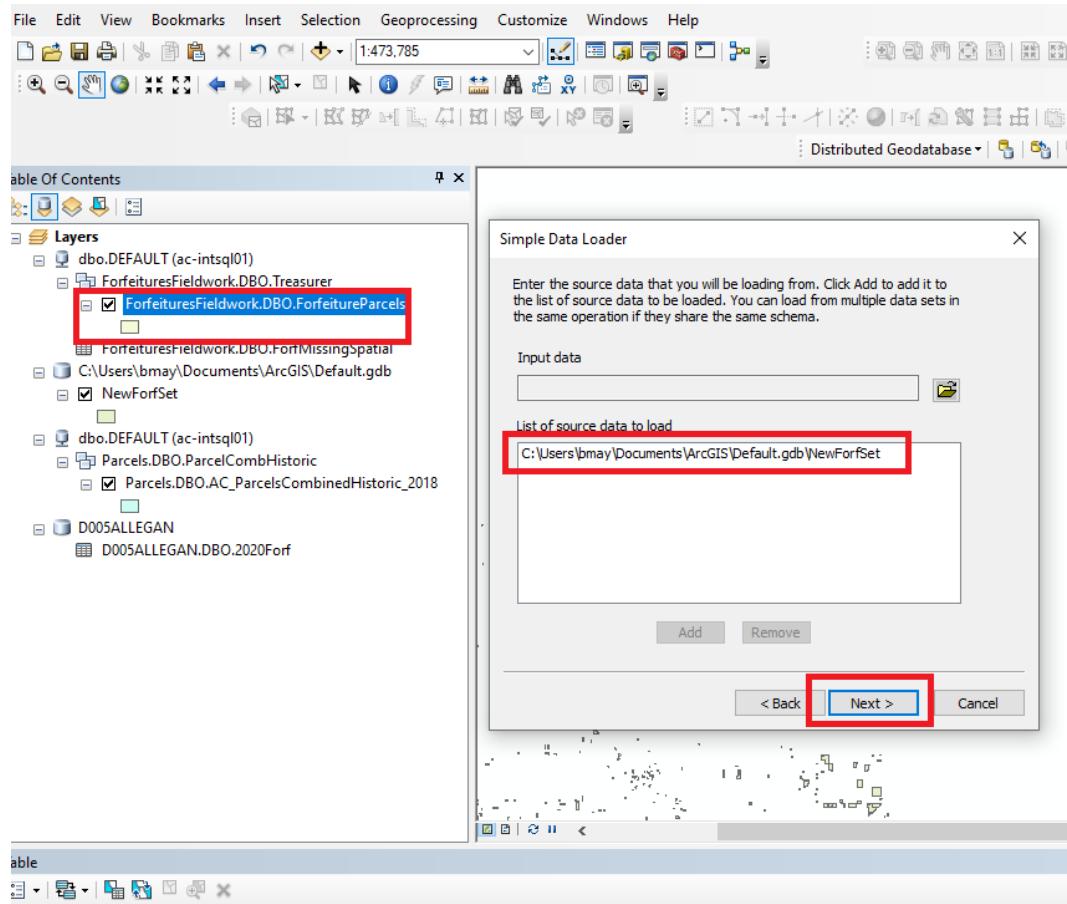


Figure 0.21: Load Data 1

choose features from a temp location

Push **Next**

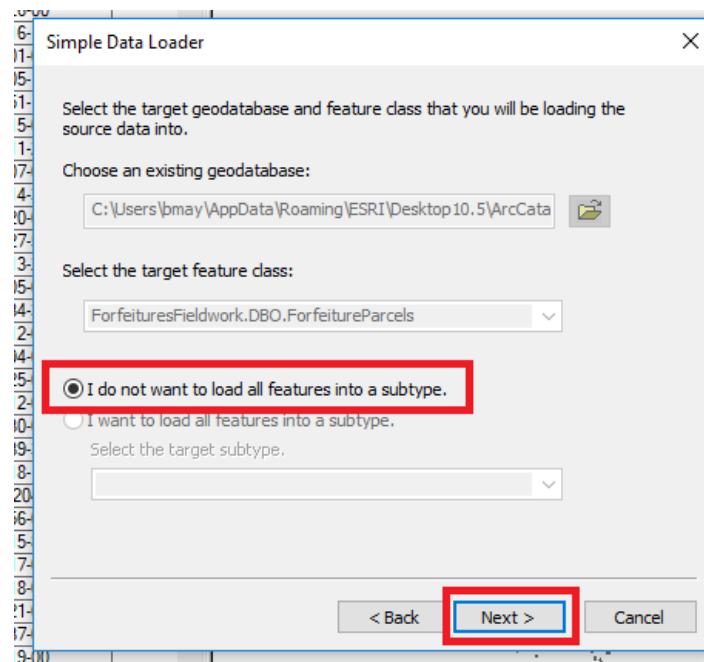


Figure 0.22: Load Data 2

Match these fields

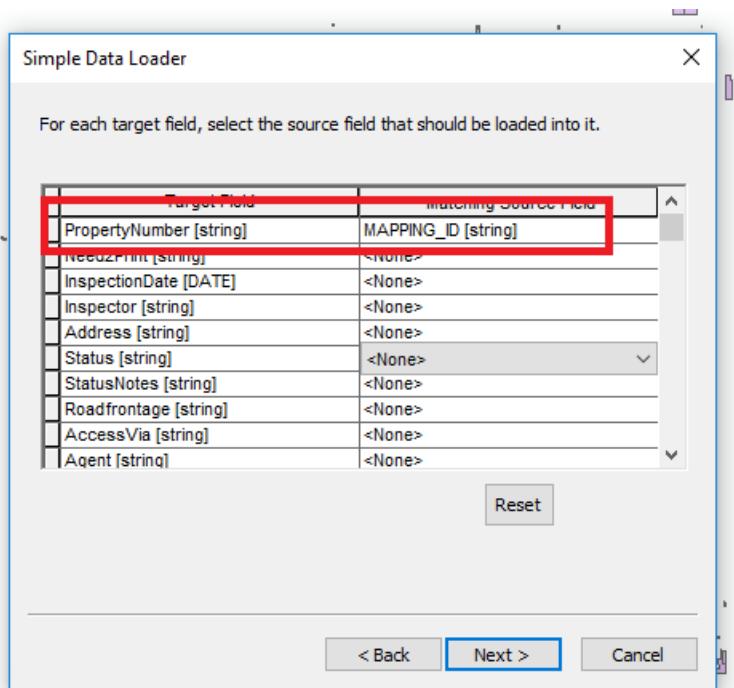


Figure 0.23: Match Fields 1

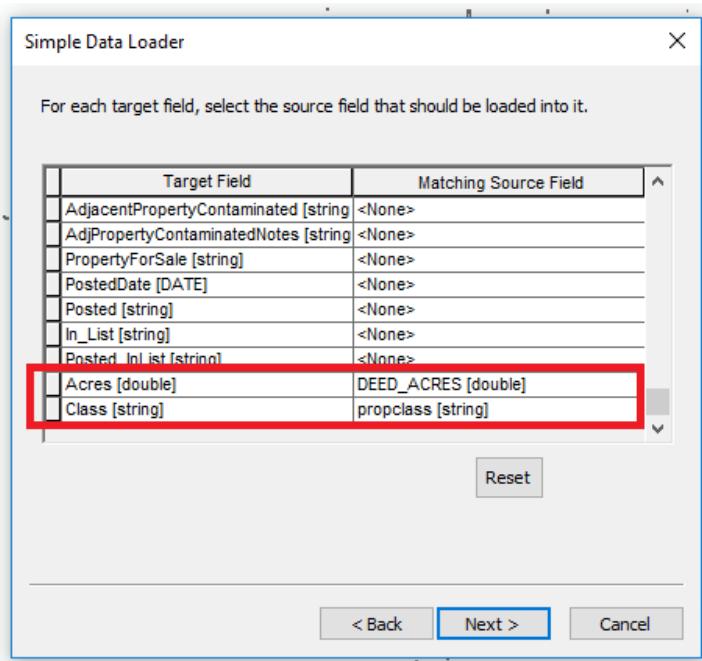


Figure 0.24: Match Fields 2

Push **Next**

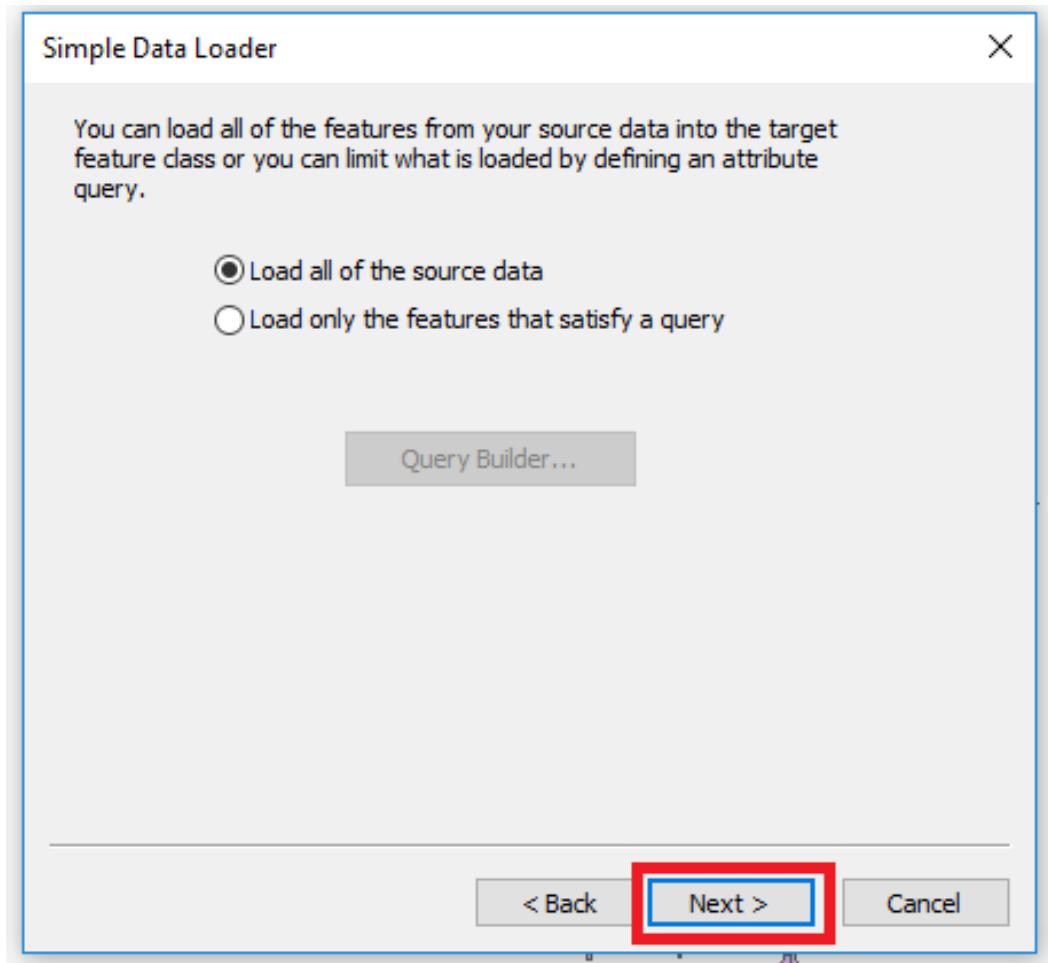


Figure 0.25: Load Data 3

Push **Finish**

Calculate Initial Values

Calculate In List value

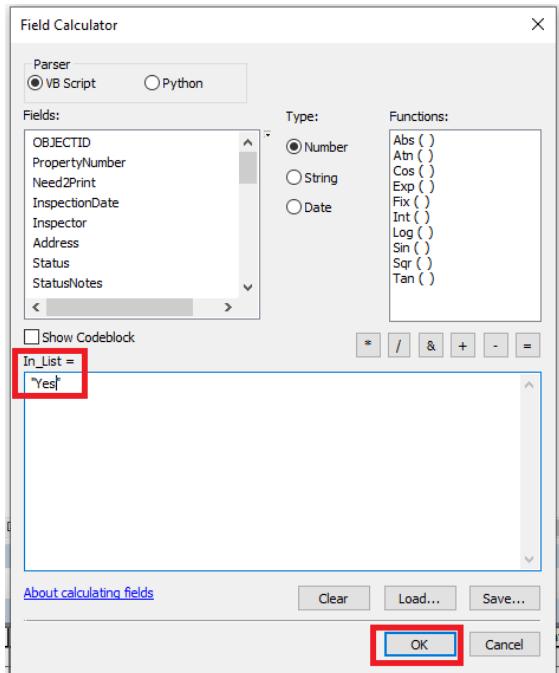


Figure 0.26: Calculate In List

Calculate Posted Value

Calculate Posted InList Value

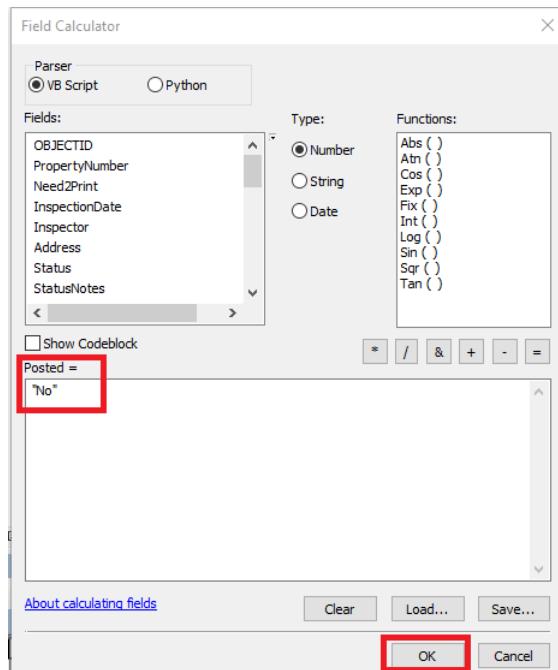


Figure 0.27: Calculated Posted

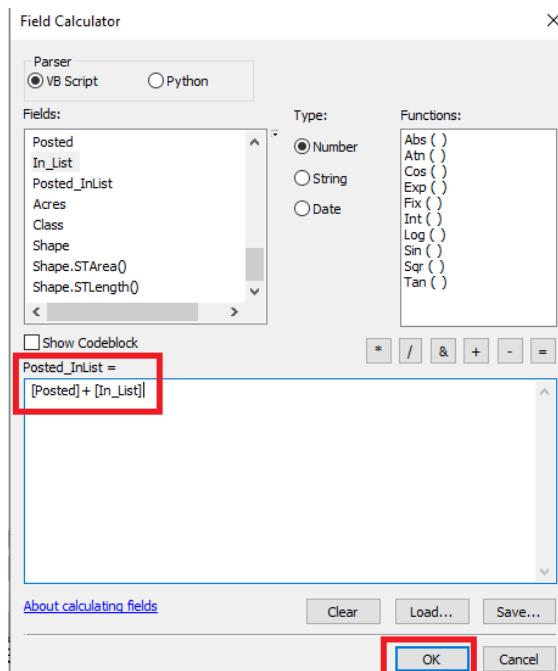


Figure 0.28: Calculate Posted in List

Data Setup

Register as versioned and Add Global IDs

Right Click ➔ Manage ➔ Register as Versioned

and

Right Click ➔ Manage ➔ Add Global IDs

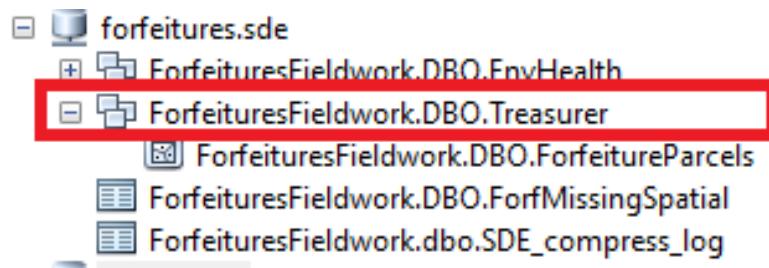


Figure 0.29: Setup Data

Create Attachments

Attachments is for storing the photos for each feature.

Right Click ➔ Manage ➔ Add Attachments

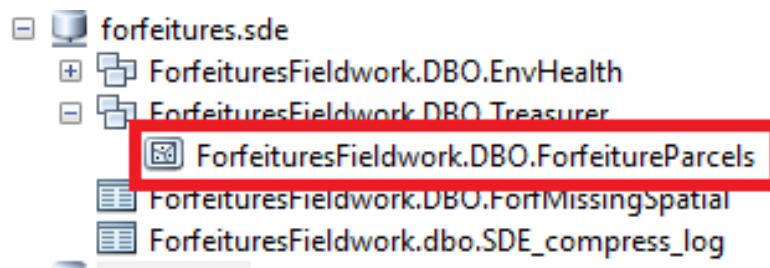


Figure 0.30: Create Attachments

Calculate Acres in ForfeitureParcels

Right Click ➔ Acres Column ➔ Calculate geometry (acres)

Setup Users in ArcGIS

Users that will run Pre and Post processing scripts must be created and given privileges on Treasurer Feature Data Set.

For any new users of the geoprocessing tools:

Use the create Database User tool

or

In Catalog ➔ Right click on ForfeituresFieldwork ➔ Administration ➔ Add User

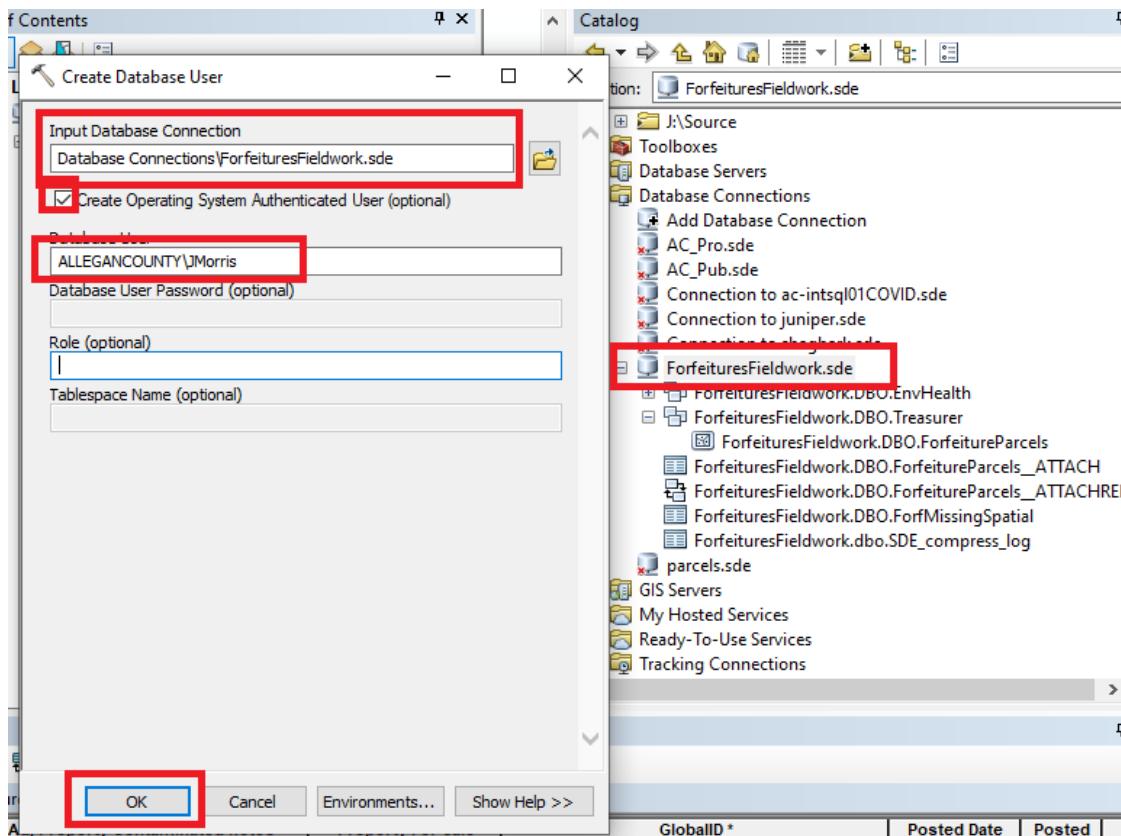


Figure 0.31: Add Db User

Add New User to Feature Dataset

In Catalog, right click on Treasurer Feature Data Set

Manage Privileges Add Type new user

Push

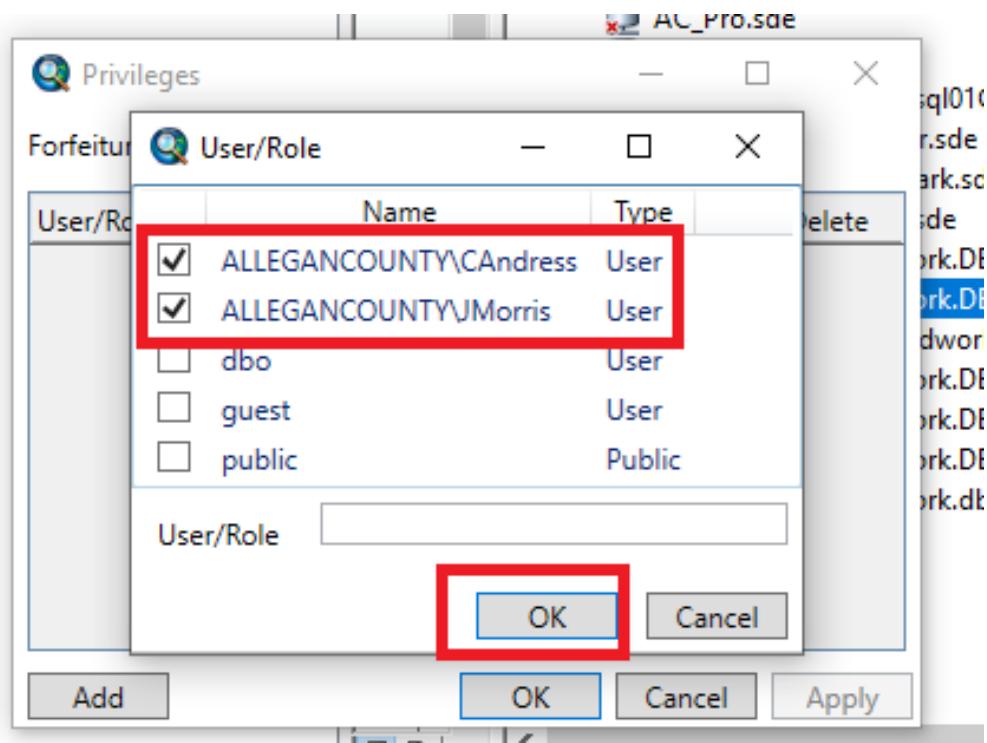


Figure 0.32: Add Feature Dataset User

Extend Privileges for New User

In Catalog ➔ right click on Treasurer FDS ➔ Manage ➔ Privileges ➔ check boxes

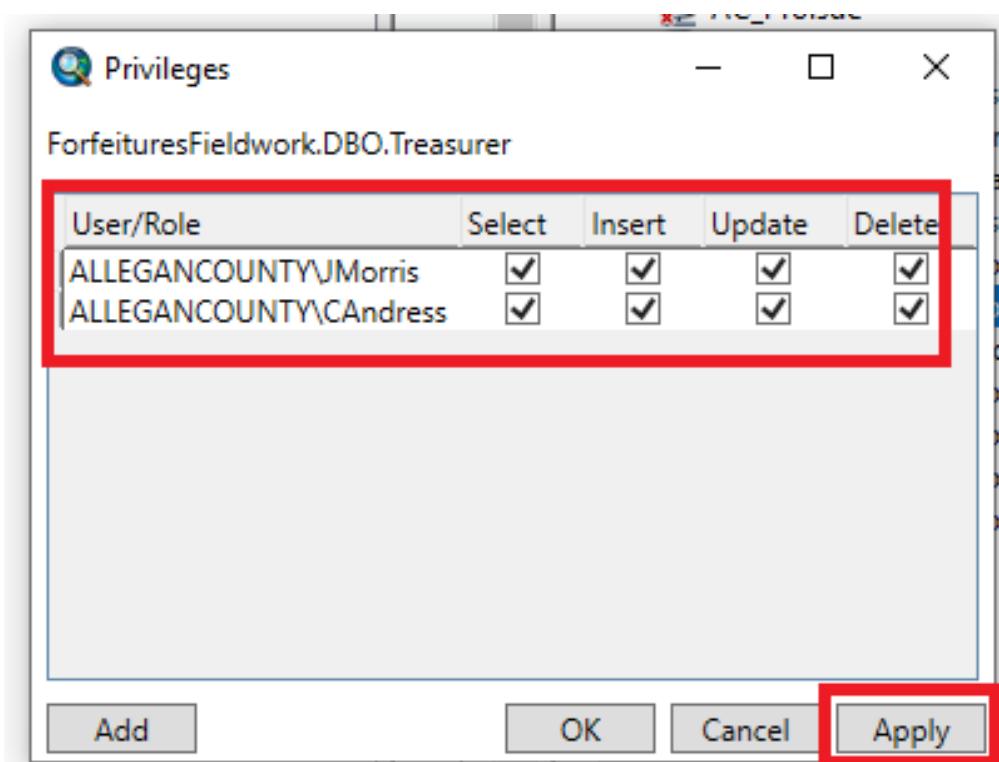


Figure 0.33: Extend Feature Dataset Privileges

Portal Setup

Setup Users in Portal for ArcGIS

Users that will use the Collector for ArcGIS must have profiles added to and managed in the Allegan County GIS Portal site.

In Portal,  My Organization

Push Add Members

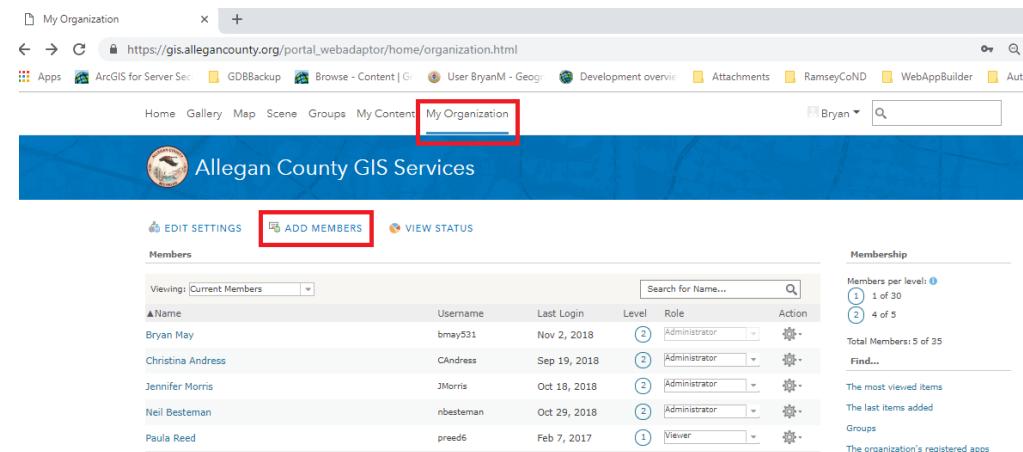


Figure 0.34: Portal Add User 1

Add Members to Portal

Select Built in Member 

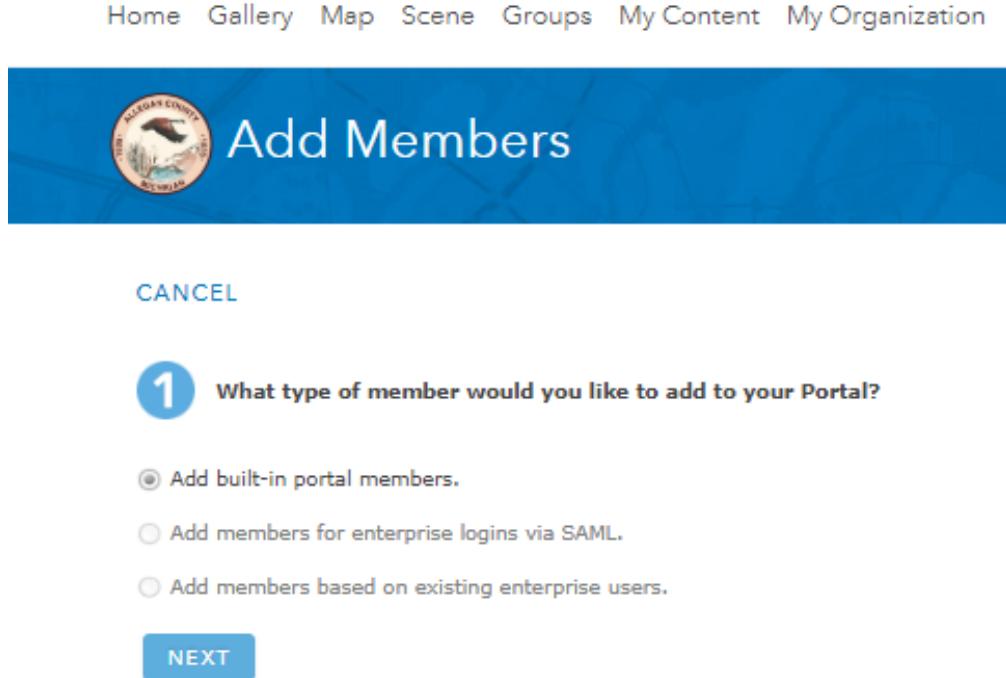


Figure 0.35: Portal Add User 2

Push  Next

Enter required info for new member

2 Create new Allegan County GIS Services logins one at a time or in batch from a file.
Select any role for the member to be a part of. You must inform the member of their user name and password. If you do not have an email address for a particular user, use the administrator's email address.

Password may not be less than 8 characters.

One at a time From a file

Email: _____

First Name: _____

Last Name: _____

Username: _____

Password: _____

Level 1 2

Role: Publisher

BACK ADD ANOTHER REVIEW ADDITIONS

Figure 0.36: Portal Add User 3

Manage Treasurer Group

In Portal  Go to groups  Invite new user to the group

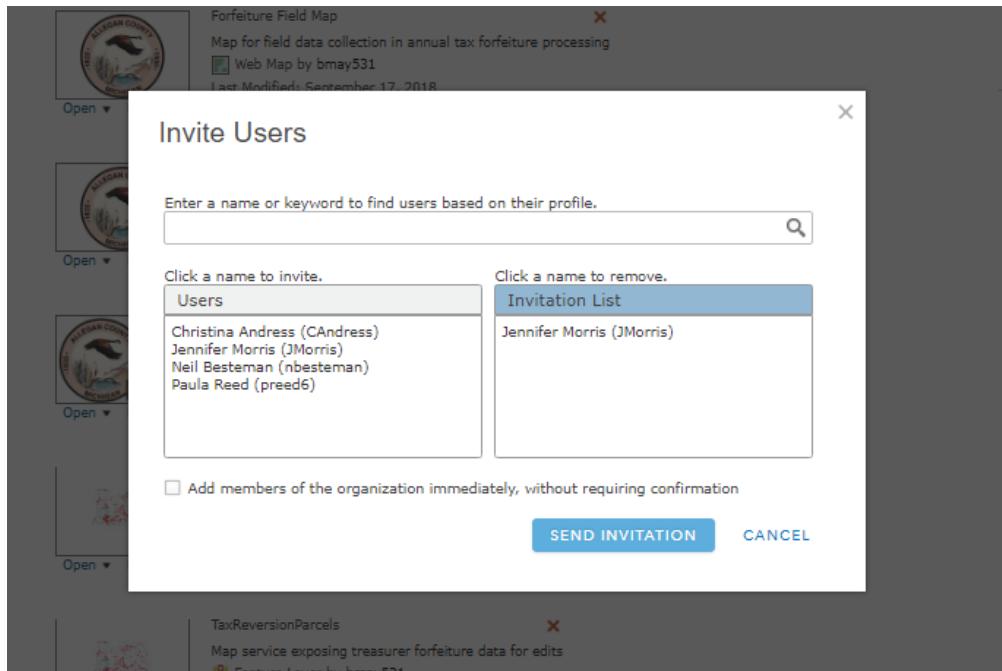


Figure 0.37: Portal Add User 4

Share Portal Content with the group

Any content used by the group needs to be shared to the group

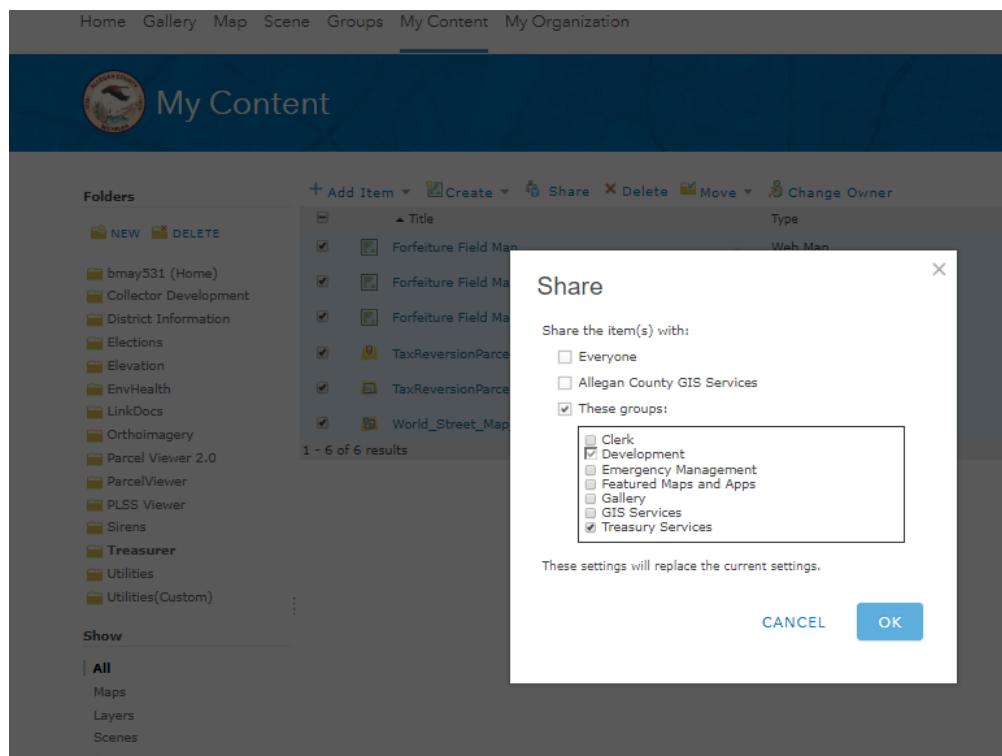


Figure 0.38: Portal AddUser 5

Start services and webmap

Find published MXD

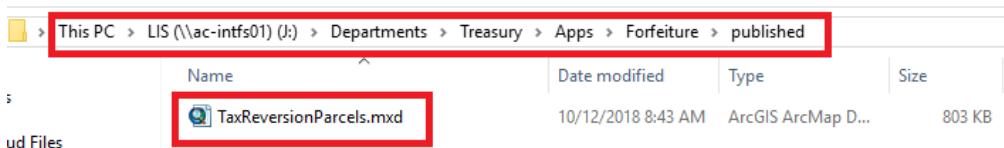


Figure 0.39: Published Mxd

Publish Forfeiture Parcels Map Service

General

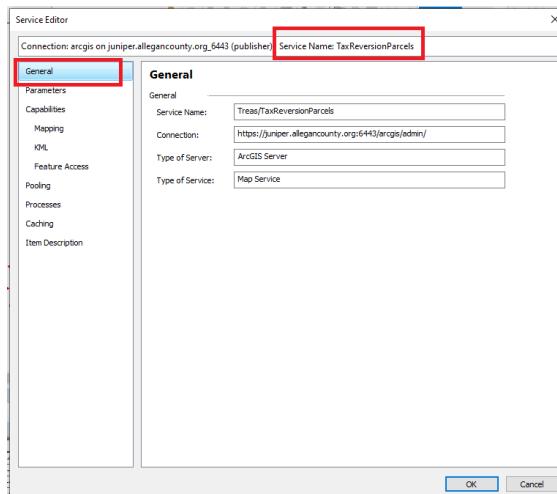


Figure 0.40: General

Capabilities

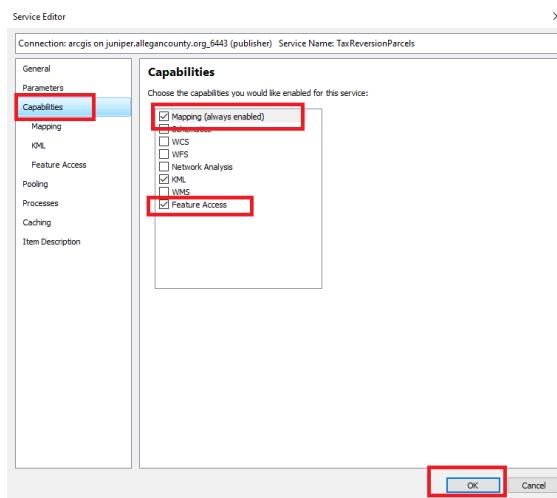


Figure 0.41: Capabilities

Feature Access

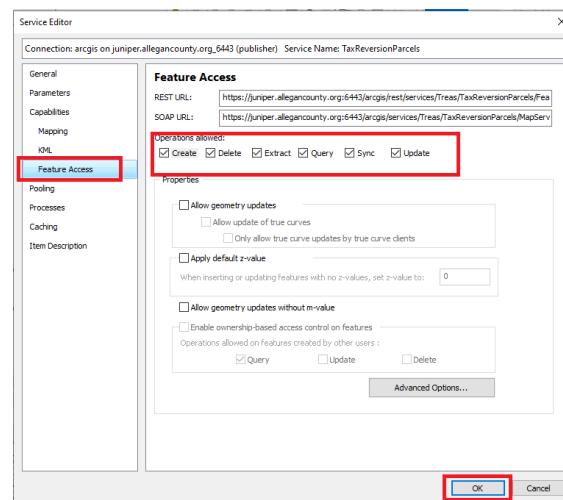


Figure 0.42: Feature Access

Publish Service



Figure 0.43: Publish Service

Schema Change Procedure

Form Edits Procedure

USER MANUAL

Collection Device Setup

Install Collector for ArcGIS

Available for IOS, Android, and Windows 10

This workflow supports Collector Classic on IOS

- Get Collector Classic from the App Store

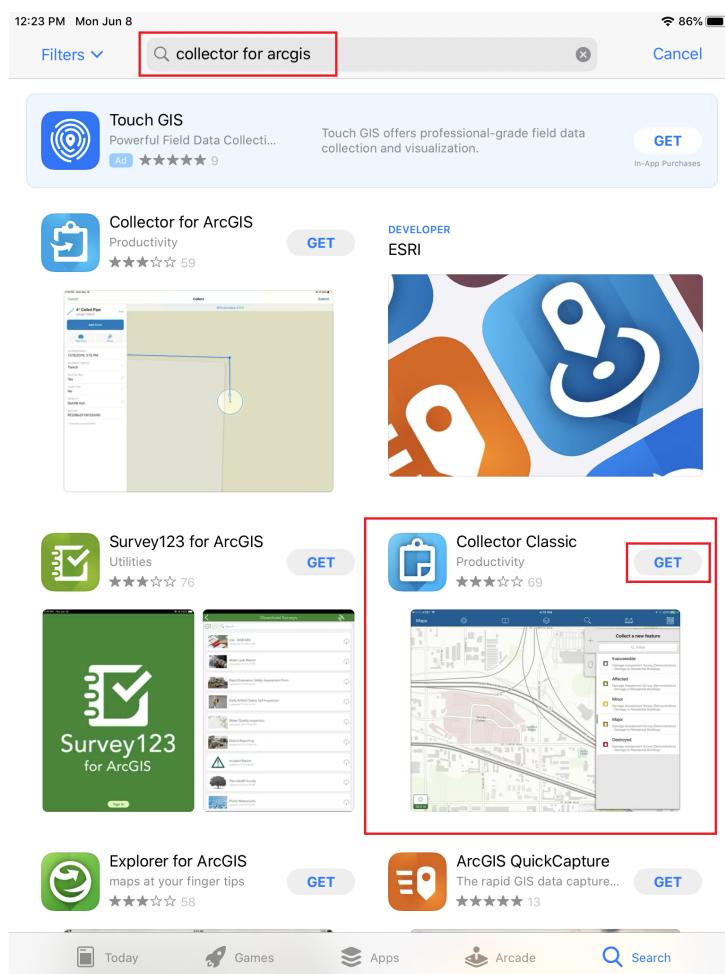


Figure 0.44: Download the App

Configure Collector

Choose

Sign in with ArcGIS Enterprise

for Organization Website, Type:

`https://gis.allegancounty.org/
portal_webadaptor`

Push **OK** ➔

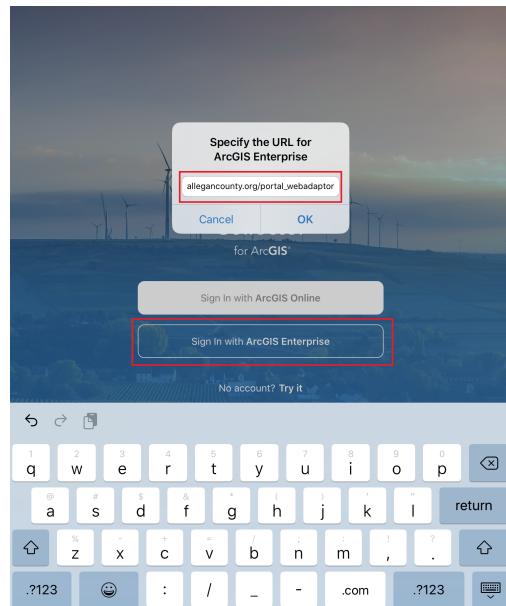


Figure 0.45: Collector Connection

Enter Credentials

Push **SIGN IN** ➔

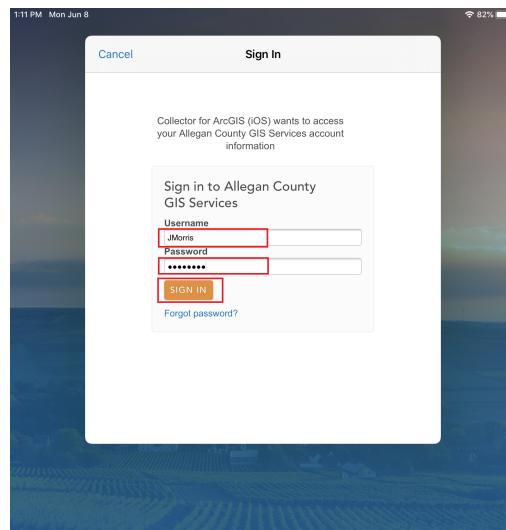


Figure 0.46: Enter Credentials

Download the Forfeiture Field Map

There are 3 different versions of the map

- Forfeiture Field Map
- Forfeiture Field Map For Photos
- Forfeiture Field Map For Attributes

The cloud with one arrow indicates it is not on the device but is available for offline use

Choose a Map

Push the cloud button

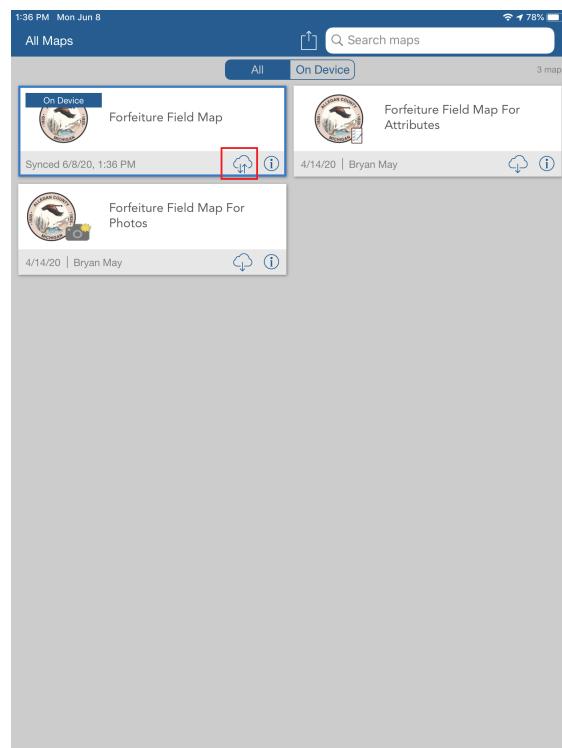


Figure 0.47: Collector Maps Menu

Specify work area

Define Area of Interest

Note that a larger area takes longer to download but the basemap only needs to be downloaded once

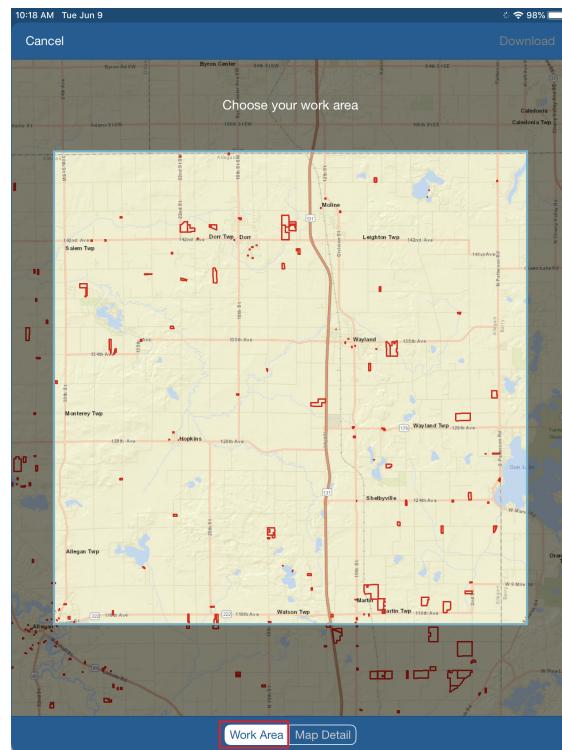


Figure 0.48: Choose Work Area (large)

Push Map Detail

Zoom into the level of detail desired

Push Download



Figure 0.49: Choose Map Detail

Preprocessing Routine

Each day the data must be prepared by executing the tool:

1. Preprocess

What the tool does:

- Exports current forfeiture list from BSA
- Updates webmap layers with results from BSA export

To use the preprocess tool:

In the Catalog window, navigate to:

J:\Departments\Treasury\Apps\Forfeiture\processing\ForfeitureToolbox.tbx

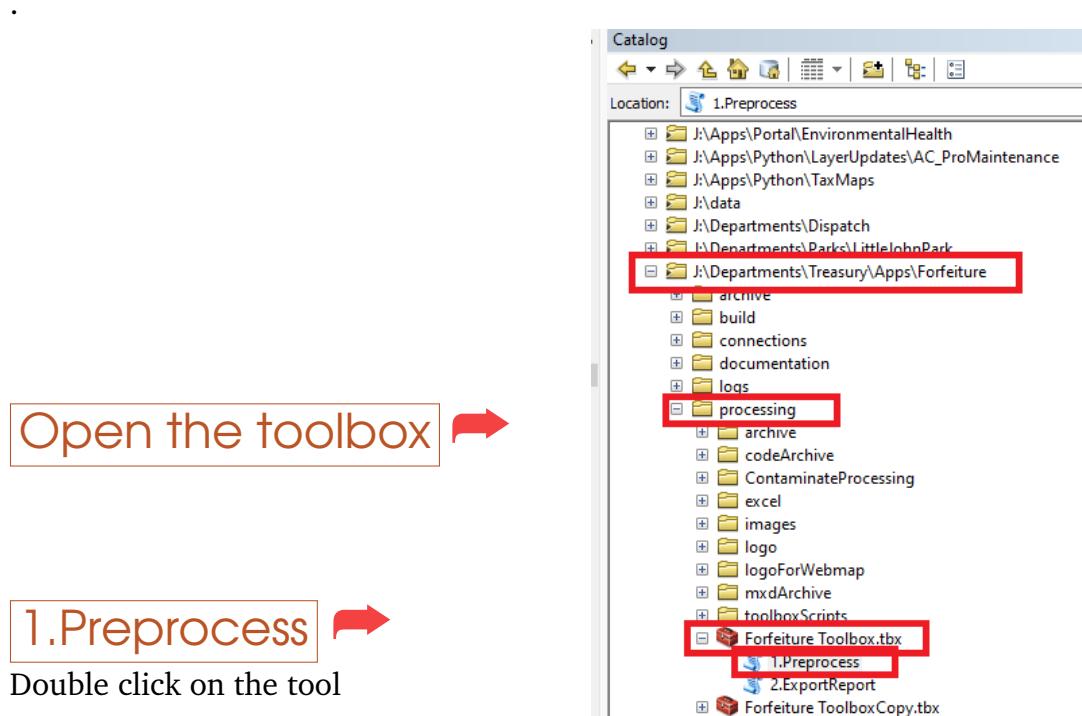


Figure 0.50: Processing Tools

Preprocessing Routine Cont.

Execute the Preprocess Tool

- Set parameters of the tool

In the tool, navigate to: <J:\Departments\Treasury\Apps\Forfeiture\source\Forfeitures.csv>

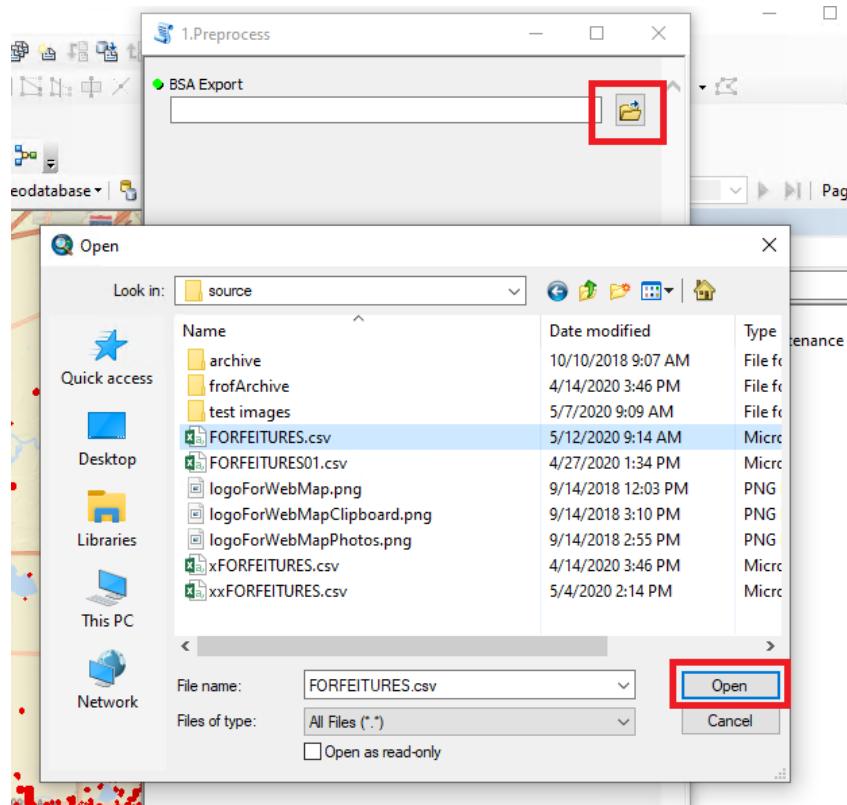


Figure 0.51: Select BSA Export

Push **Open** ➡

Push **OK** on the tool to execute ➡

Fieldwork data is updated from BSA



Figure 0.52: Preprocess Running

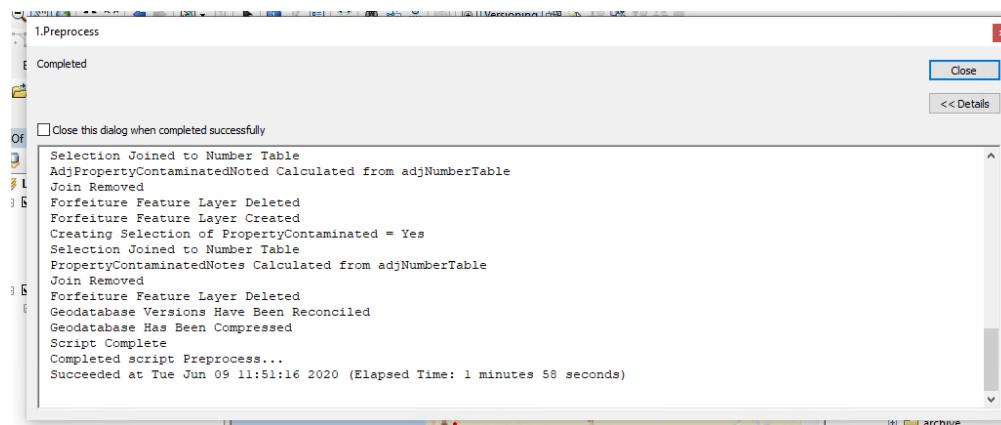


Figure 0.53: Preprocess Completed

Now that the fieldwork data is updated, mobile devices must be updated.

Synchronize the Forfeiture Field Map

On the fieldwork devices:

Note the date and time

Push Sync ➔

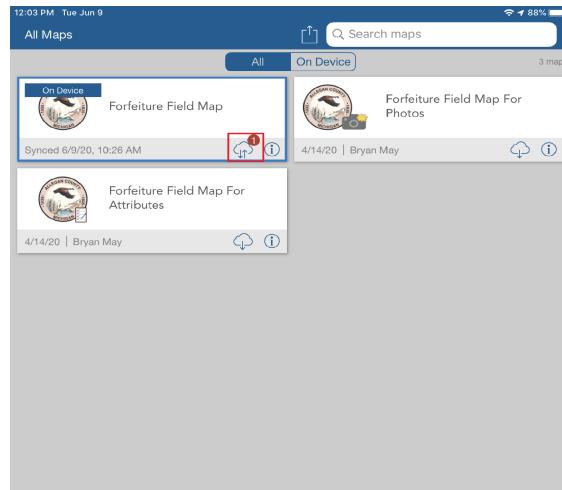


Figure 0.54: Map Downloaded

Note the date and time

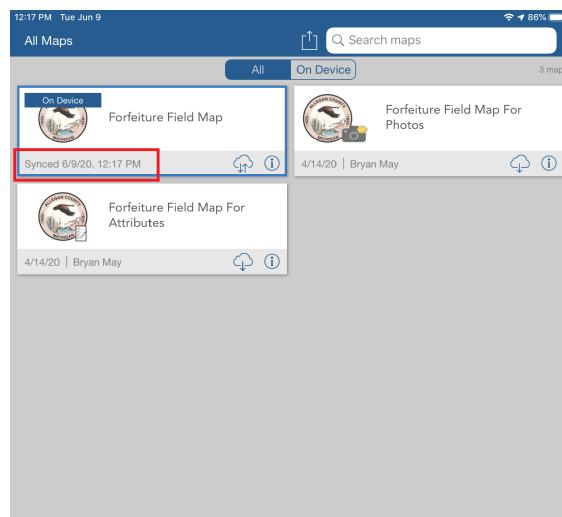


Figure 0.55: Map Synchronized

If date has been updated then map

is now synchronized

Field Data Collection

Data Entry Details

Attributes are of three entry types:

- Prefilled (in preprocessing)
- Dropdown
- Text box

Mobile Device Summary

For each site visited,

- Select the desired parcel
- Push **Edit**
- Collect attributes or photos
- Update parcel on device

Device 1 Field Operation

Select a Parcel ➔

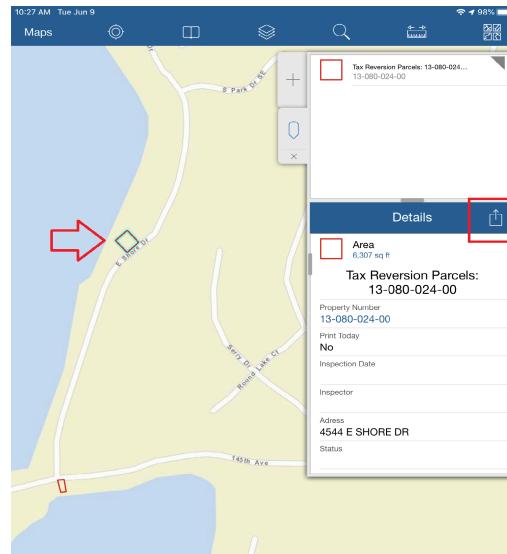


Figure 0.56: Select a Parcel

Edit ➔

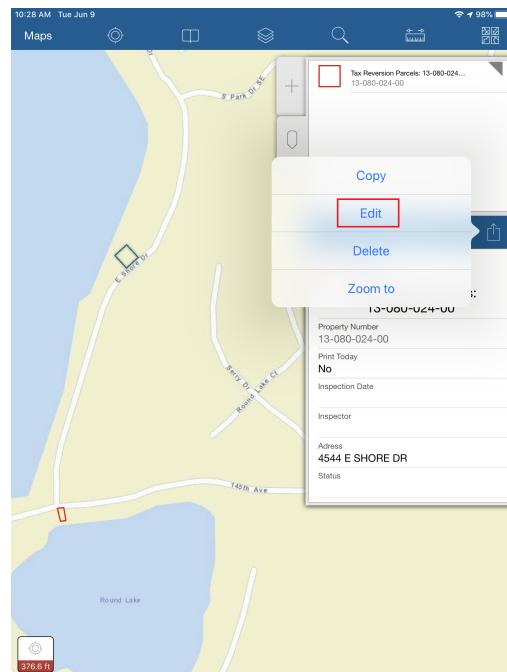


Figure 0.57: Edit Parcel

Device 1 Field Operation

(cont.)

Print Today ➔

This will tag parcel for report production in postprocessing

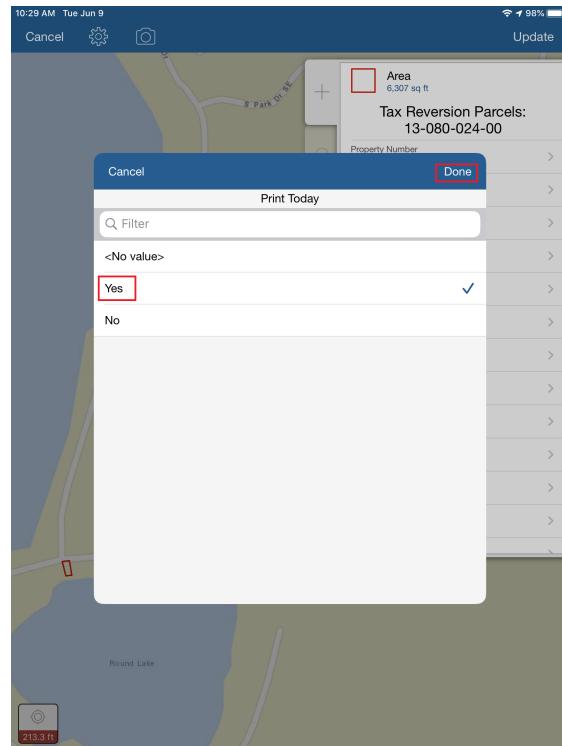


Figure 0.58: Print Today

Inspection Date ➔

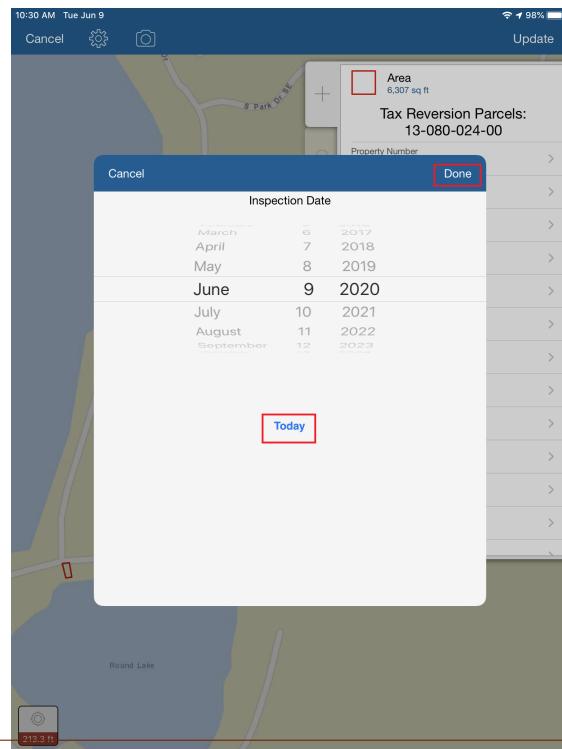


Figure 0.59: Enter Date

Device 1 Field Operation

(cont.)

Inspector ➔

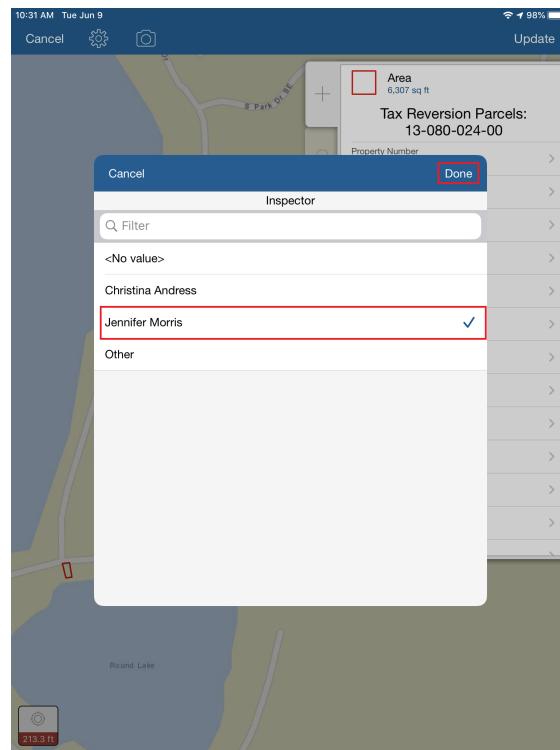


Figure 0.60: Select Inspector

Device 1 Field Operation

(cont.)

Status 

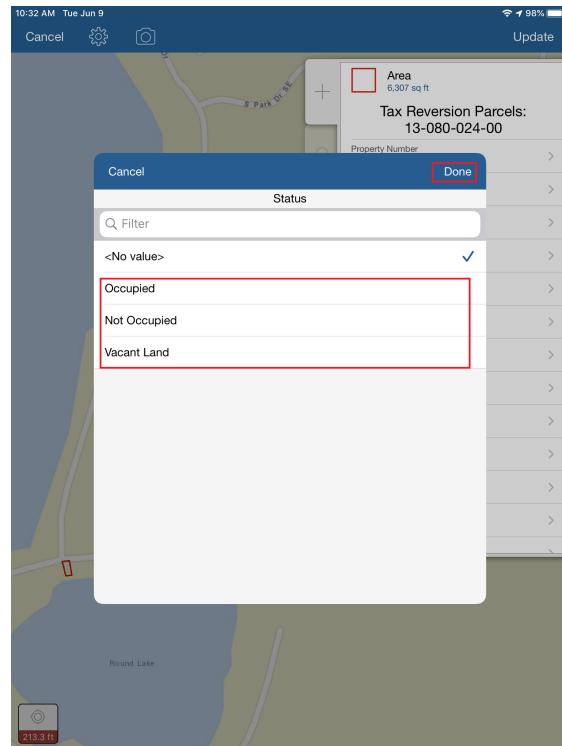


Figure 0.61: Occupied or Not

Status Notes 

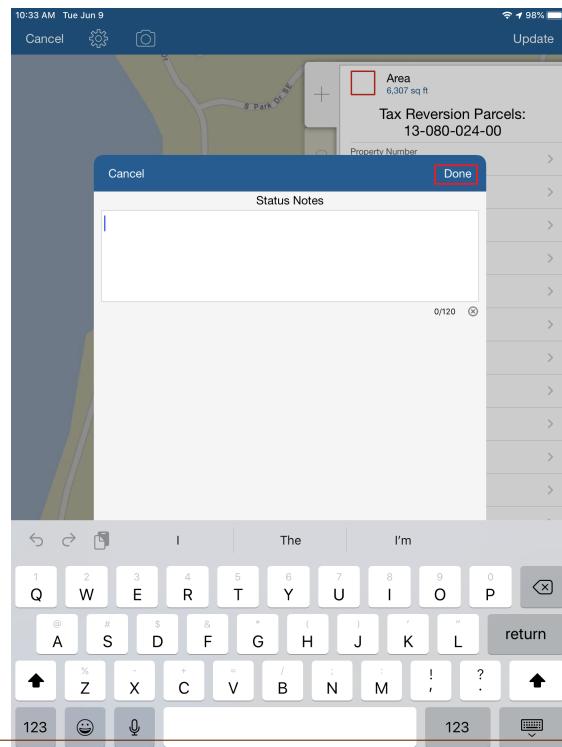


Figure 0.62: Enter Text

Device 1 Field Operation

(cont.)

Road Frontage 

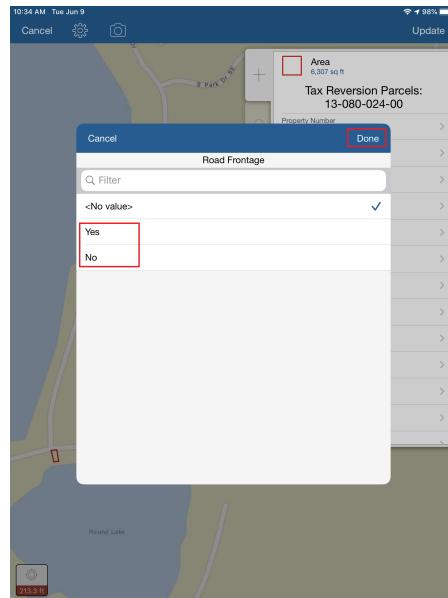


Figure 0.63: Road Frontage

Access Via 

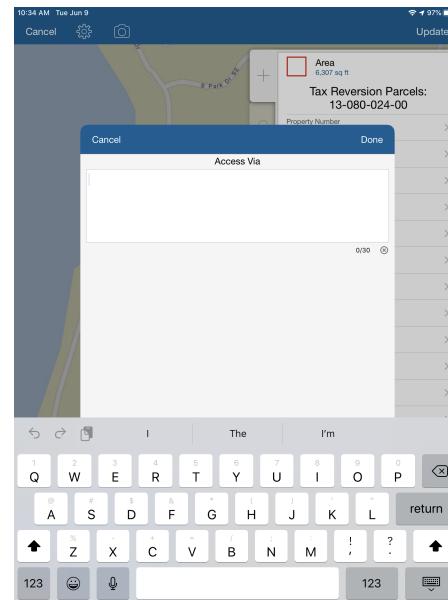


Figure 0.64: Enter Text

Device 1 Field Operation

(cont.)

Agent 

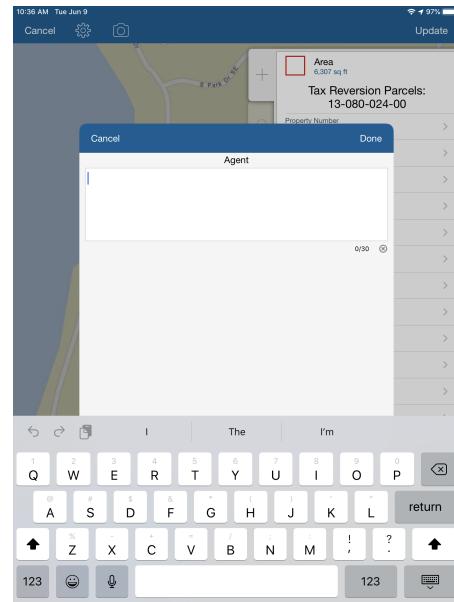


Figure 0.65: Enter Text

Agent Contact Info 

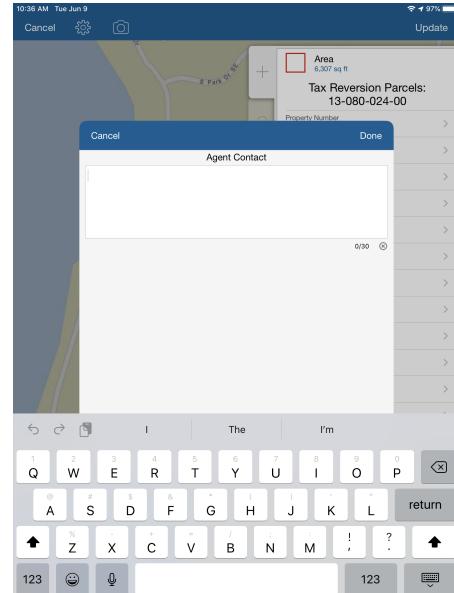


Figure 0.66: Enter Text

Device 1 Field Operation

(cont.)

Property in Use ➔

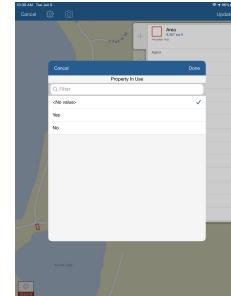


Figure 0.67: Yes or No

Use Notes ➔

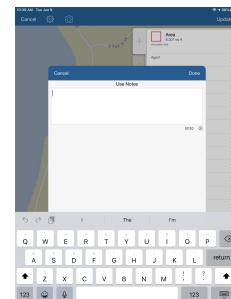


Figure 0.68: Enter Text

Property Maintained ➔

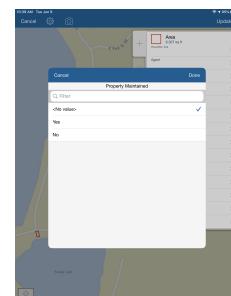


Figure 0.69: Yes or No

Device 1 Field Operation

(cont.)

Maintenance Notes

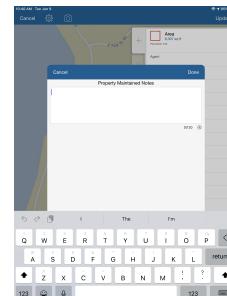


Figure 0.70: Enter Text

Property Contaminated

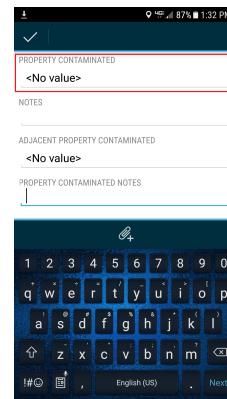


Figure 0.71: Prefilled

Property Contaminated Notes

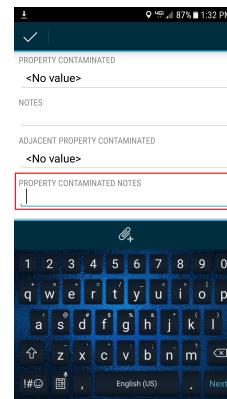


Figure 0.72: Prefilled

Device 1 Field Operation

(cont.)

A screenshot of a mobile device screen displaying a form. At the top, there is a header bar with icons for signal strength, battery level (87%), and time (1:32 PM). Below the header, the form has a section titled "PROPERTY CONTAMINATED" with a note field containing "<No value>". A red box highlights this note field. To the right of the note field is a "NOTES" section with a note field containing "ADJACENT PROPERTY CONTAMINATED" and "<No value>". A red arrow points from the highlighted note field in the first section to the second note field. Below these sections is a keyboard interface with a numeric keypad (1-0), letters (q-w-e-r-t-y-u-i-o-p, a-s-d-f-g-h-j-k-l, z-x-c-v-b-n-m), and symbols (#, @, !, ., Next). The entire screen is framed by a thick black border.

Figure 0.73: Prefilled

A screenshot of a mobile device screen displaying a form. At the top, there is a header bar with icons for signal strength, battery level (87%), and time (1:31 PM). Below the header, the form has a section titled "PROPERTY FOR SALE" with a note field containing "<No value>". A red box highlights this note field. To the right of the note field is a "CLASS" section with the value "401". Below these sections is a "PROPERTY IN USE" section with a note field containing "ADJ PROPERTY CONTAMINATED NOTES" and "<No value>". A red arrow points from the highlighted note field in the first section to the second note field. Below these sections is a keyboard interface with a numeric keypad (1-0), letters (q-w-e-r-t-y-u-i-o-p, a-s-d-f-g-h-j-k-l, z-x-c-v-b-n-m), and symbols (#, @, !, ., Next). The entire screen is framed by a thick black border.

Figure 0.74: Prefilled

Device 1 Field Operation

(cont.)

Adjacent Property For Sale

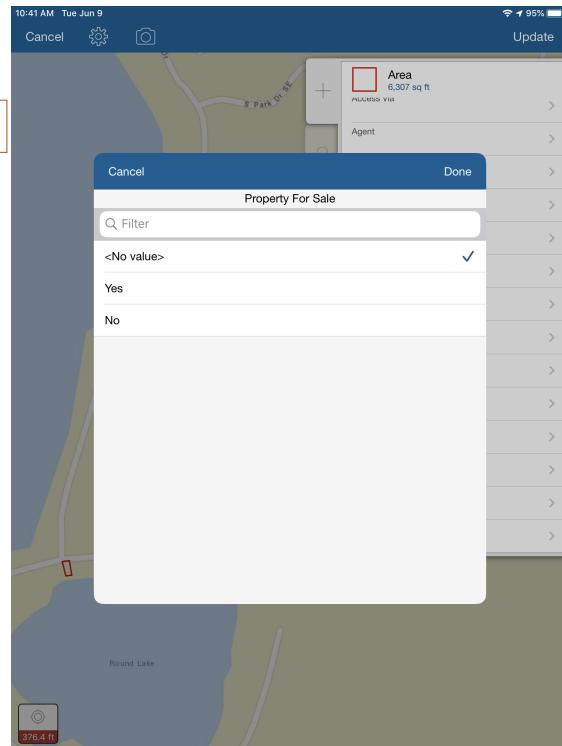


Figure 0.75: Yes or No

Forfeiture Posted



This will turn this parcel from red to green in the map

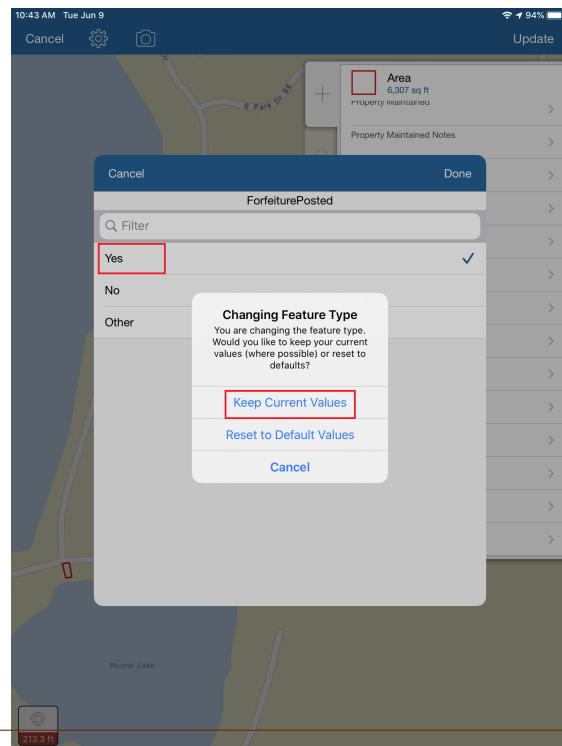
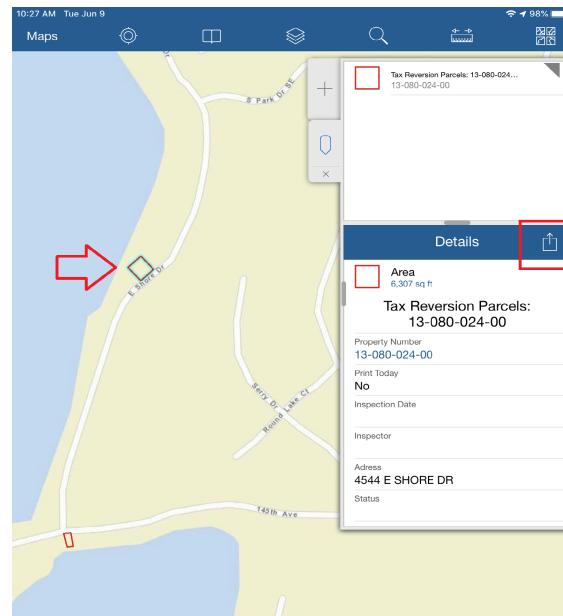


Figure 0.76: Forfeiture Posted

Photos and comments

Can be added from the same device or another device

Select a Parcel 



Push Detail Button 

Figure 0.77: Select Parcel

Attachment 

Add 

Take Photo 

Take Picture

Push Done 

Push Update 

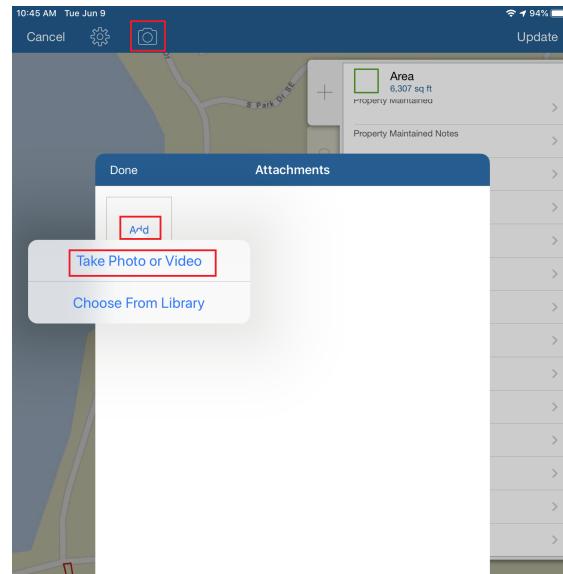


Figure 0.78: Add Attachment

DAILY POST PROCESSING ROUTINE

Synchronize Data

Any devices that were used for field data collection must be synchronized with the network production data.

Synchronize the Field Collection Devices

So, if two devices were used:

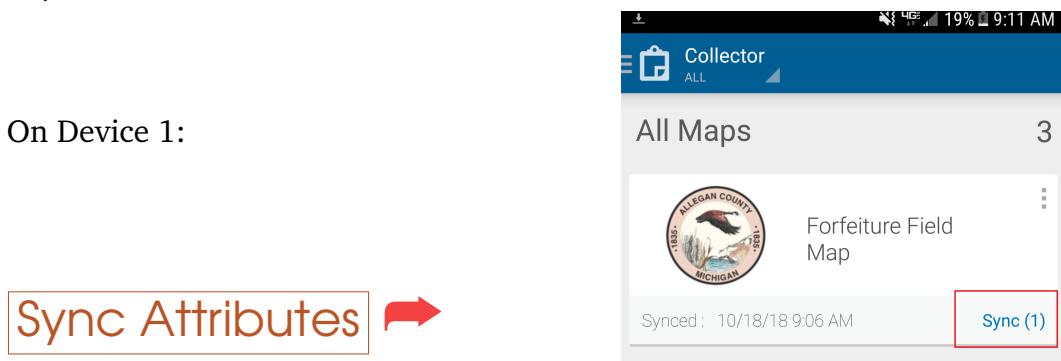


Figure 0.79: Sync

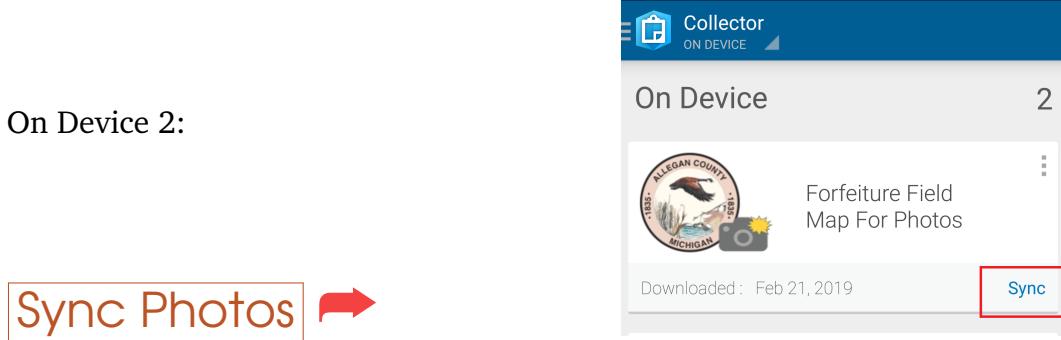


Figure 0.80: Sync Photos

Reconcile Versions and Print Report

Each device that is synchronized corresponds to a version within the geodatabase.

The versions must be reconciled with the Reconcile Versions tool:

Find and open the Reconcile Versions Tool
To find the tool **in ArcMap**:

Windows ➔ Search ➔

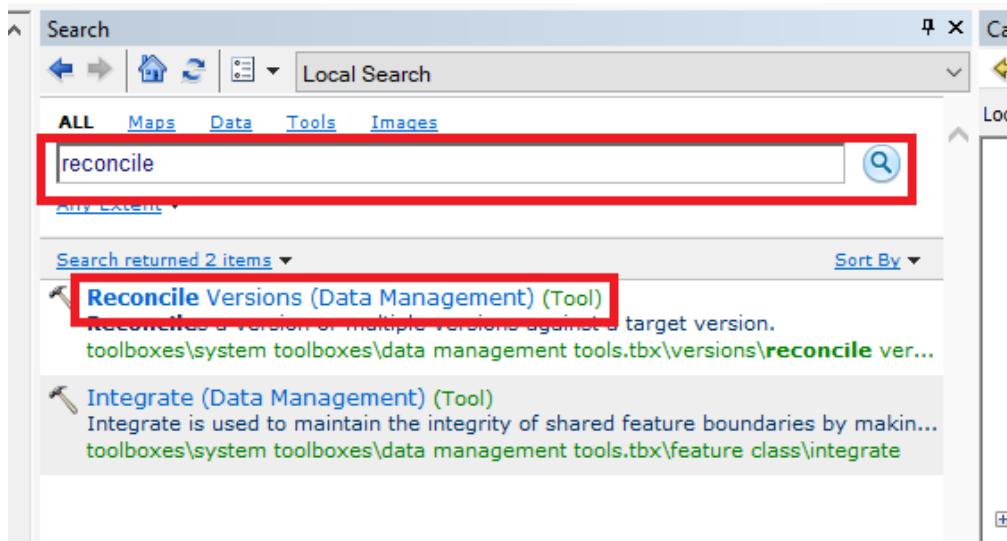


Figure 0.81: Search for Reconcile tool

Reconcile Tool Setup

The tool uses these settings: ➔

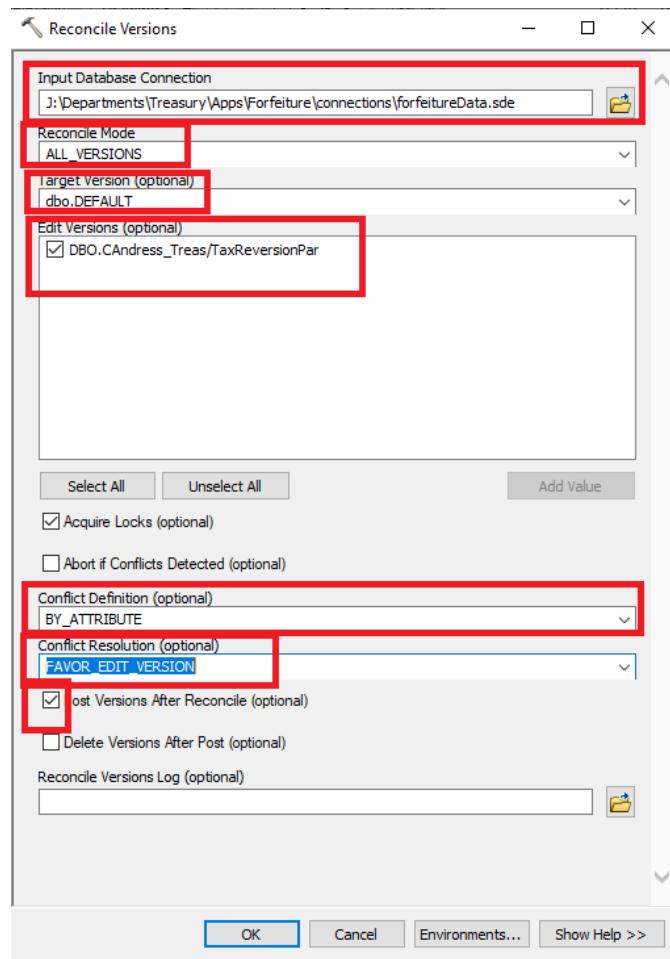


Figure 0.82: Reconcile Settings

Push OK to Run the tool ➔

Once reconcile has been run, next is exporting reports for the sites visited

Reconcile Versions and Print Report (cont.)

Any parcel that is marked Print Today as Yes will generate a report.

Inspection reports are generated by running the tool:

Print Reports

Double click on the tool **2. ExportReport**



and press **OK**

Report is generated to:

J:\Departments\Treasury\Apps\Forfeiture\build\reports

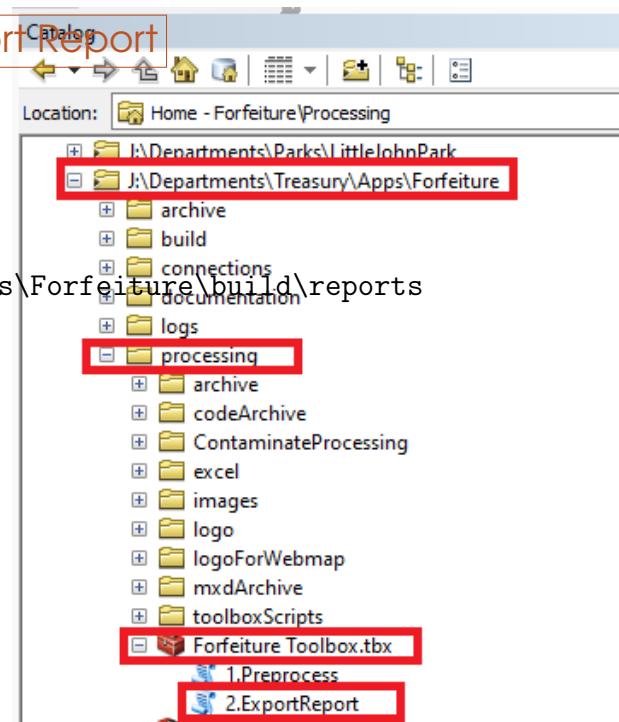


Figure 0.83: Double Click