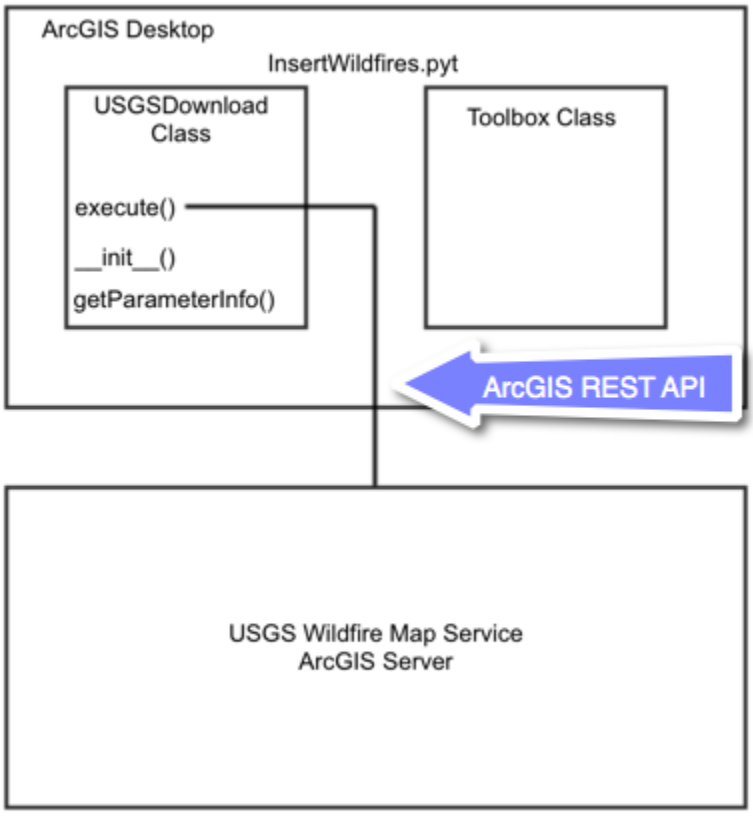
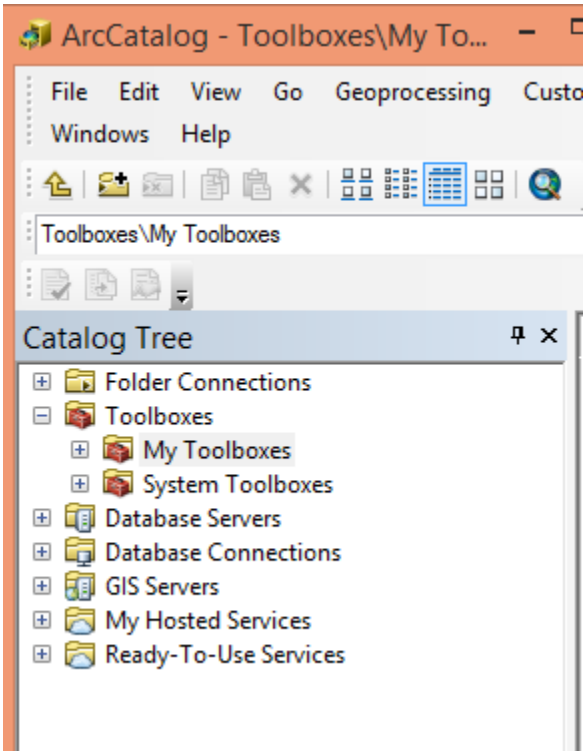
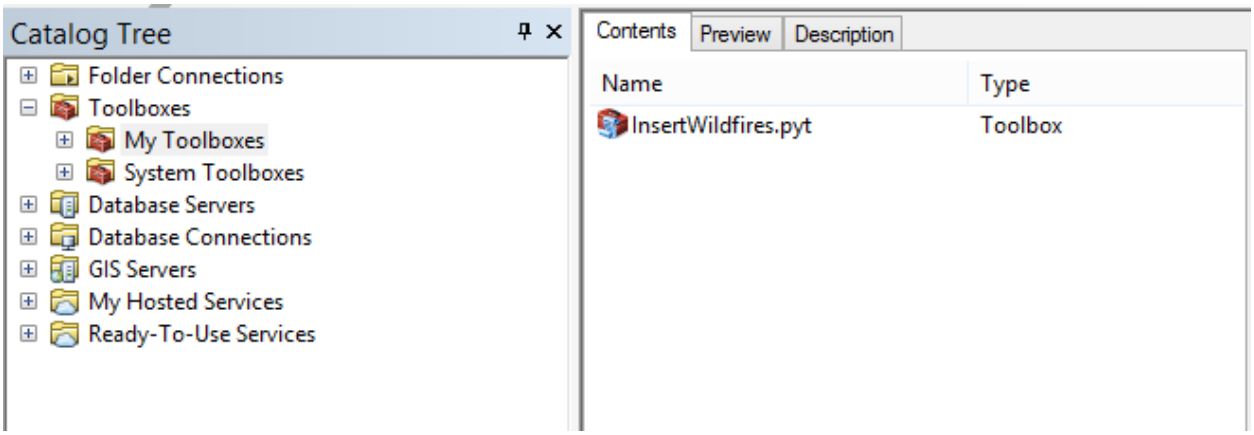
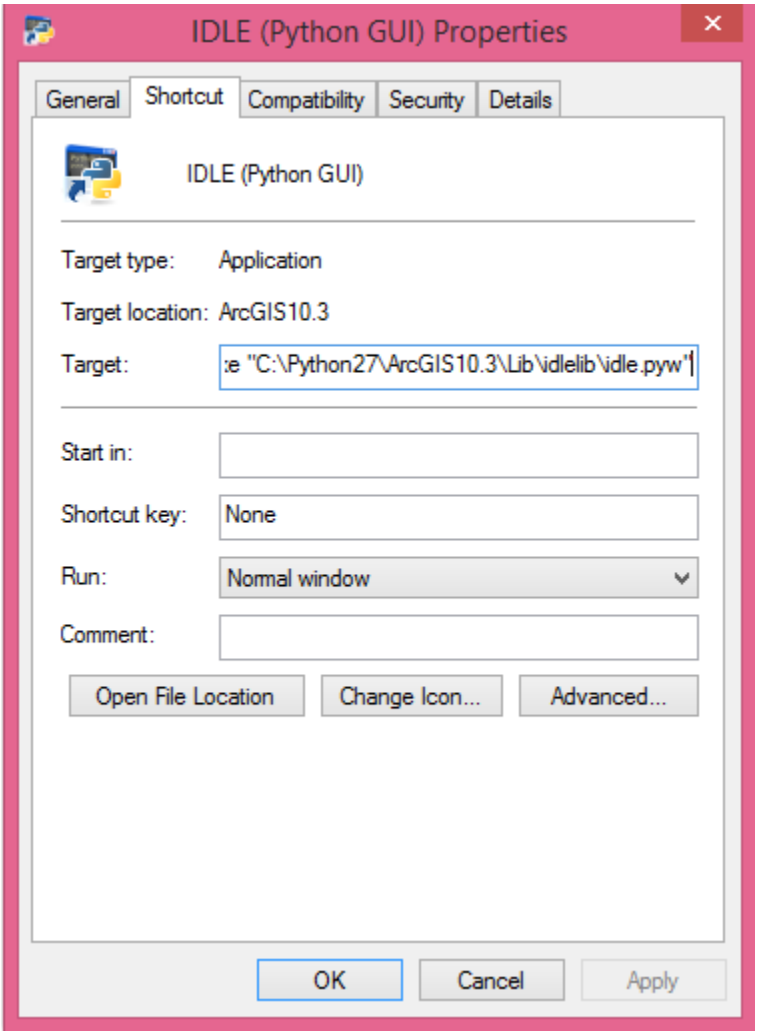
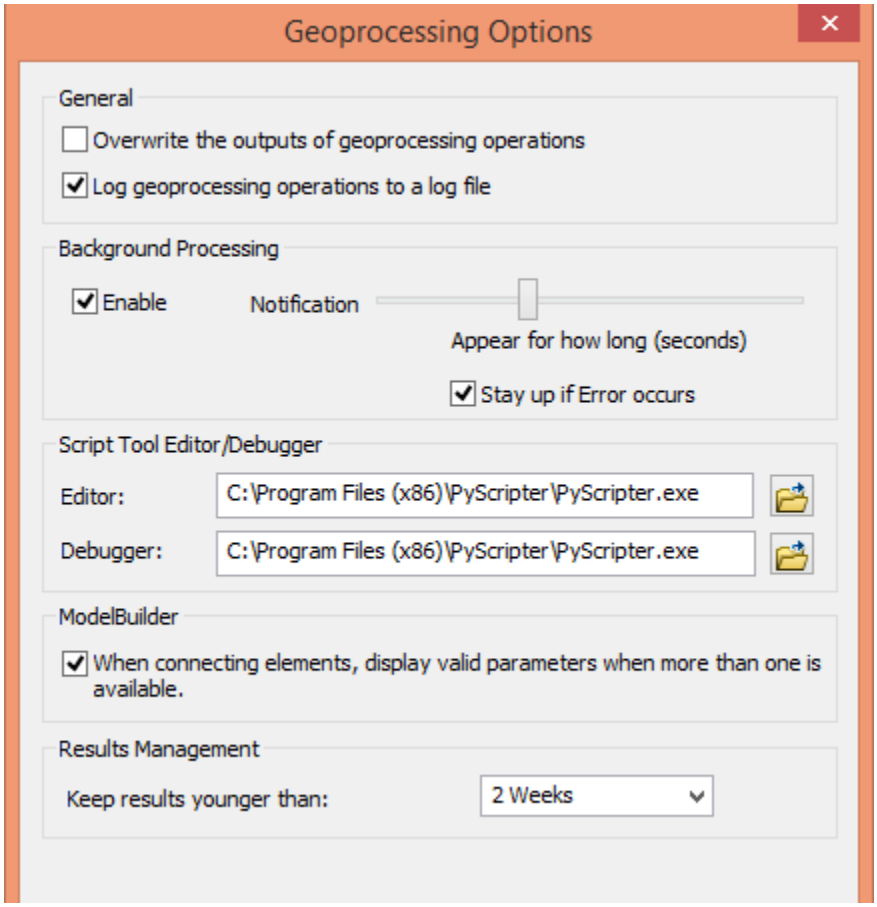
Chapter 1


ArcGIS Desktop
InsertWildfires.pyt
USGSDownload Class
execute()
__init__()
getParameterInfo()
Toolbox Class
ArcGIS REST API
USGS Wildfire Map Service
ArcGIS Server

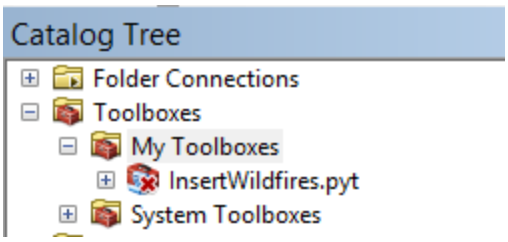

ArcCatalog - Toolboxes\My To...
File Edit View Go Geoprocessing Custo
Windows Help
Toolboxes\My Toolboxes
Catalog Tree
Folder Connections
Toolboxes
My Toolboxes
System Toolboxes
Database Servers
Database Connections
GIS Servers
My Hosted Services
Ready-To-Use Services

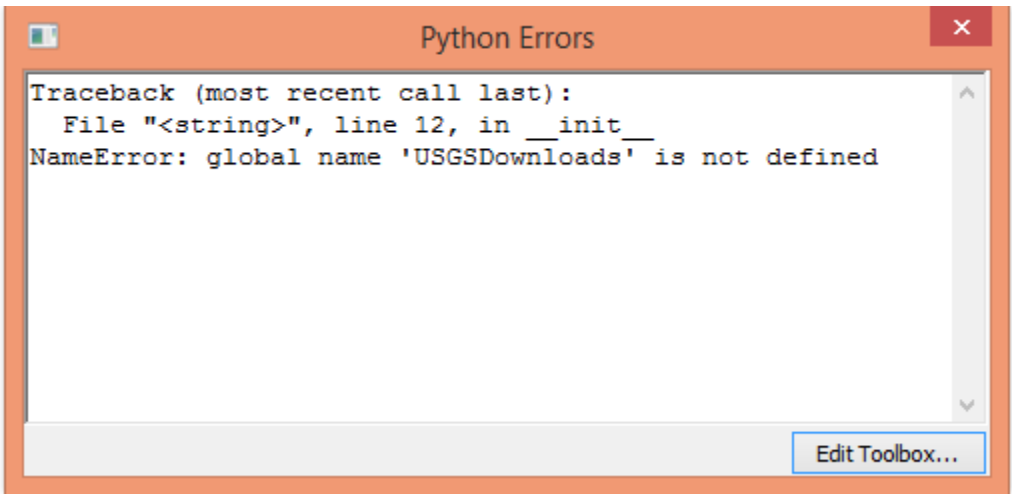

Catalog Tree
Folder Connections
Toolboxes
My Toolboxes
System Toolboxes
Database Servers
Database Connections
GIS Servers
My Hosted Services
Ready-To-Use Services
Contents
Preview
Description
Name
Type
InsertWildfires.pyt
Toolbox

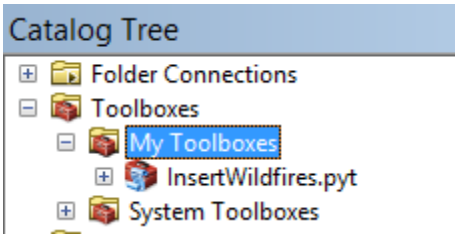

IDLE (Python GUI) Properties
General
Shortcut
Compatibility
Security
Details
IDLE (Python GUI)
Target type: Application
Target location: ArcGIS10.3
Target: :e "C:\Python27\ArcGIS10.3\Lib\idlelib\idle.pyw"
Start in:
Shortcut key: None
Run: Normal window
Comment:
Open File Location
Change Icon...
Advanced...
OK
Cancel
Apply

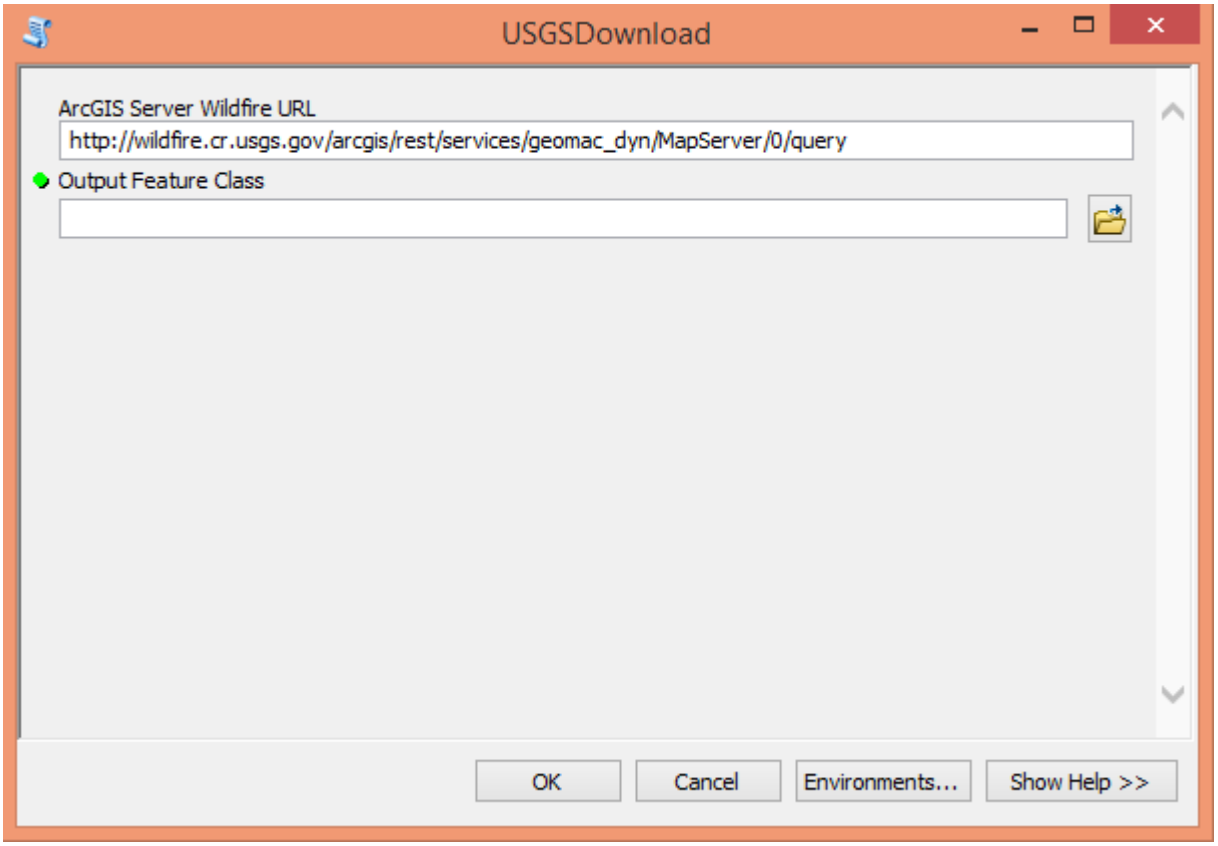


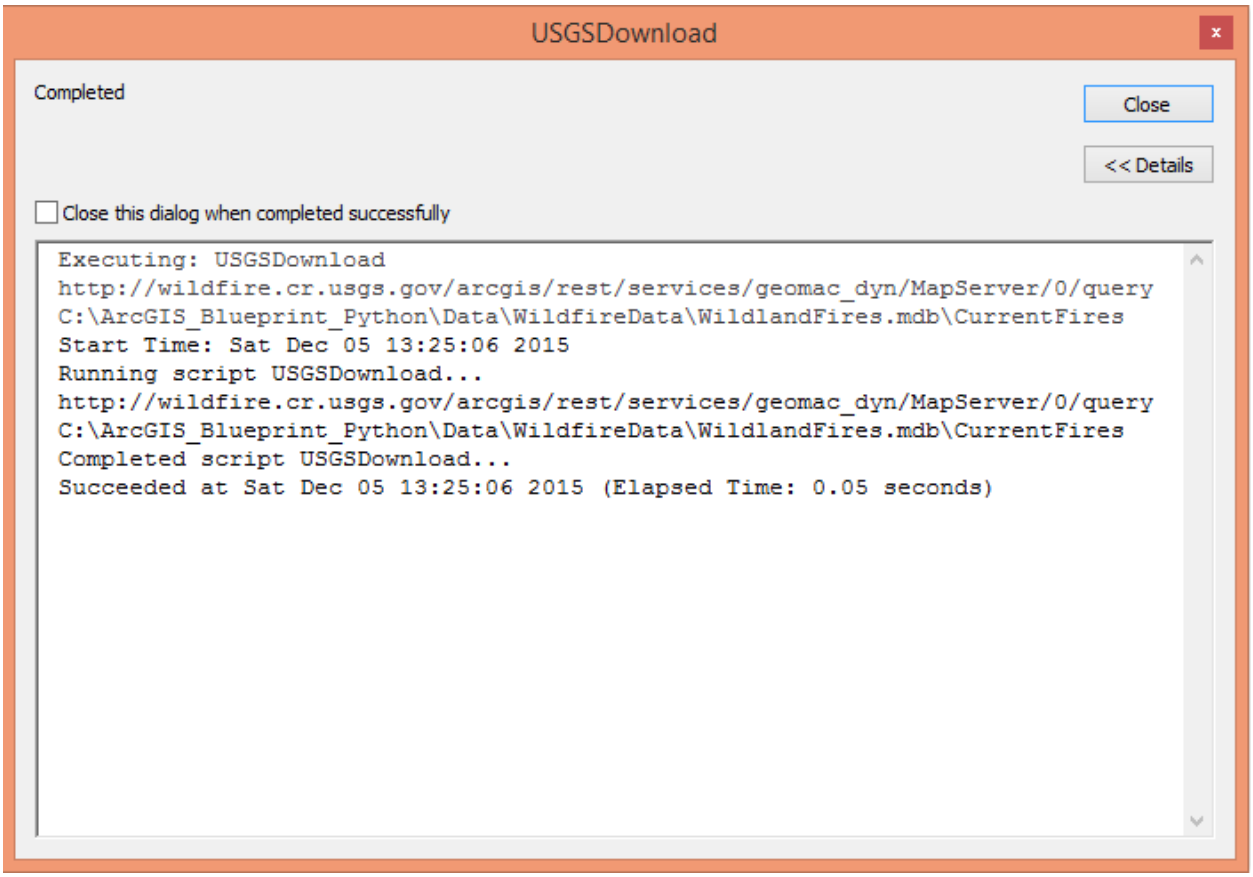

```
import arcpy


class Toolbox(object):
    def __init__(self):
        """Define the toolbox (the name of the toolbox is the name of the
        .pyt file)."""
        self.label = "Toolbox"
        self.alias = ""

        # List of tool classes associated with this toolbox
        self.tools = [Tool]


class Tool(object):
    def __init__(self):
        """Define the tool (tool name is the name of the class)."""
        self.label = "Tool"
        self.description = ""
        self.canRunInBackground = False

    def getParameterInfo(self):
        """Define parameter definitions"""
        params = None
        return params
```

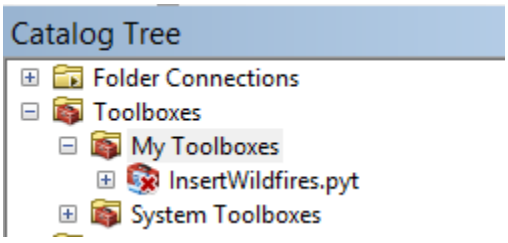

Catalog Tree
Folder Connections
Toolboxes
My Toolboxes
InsertWildfires.pyt
System Toolboxes

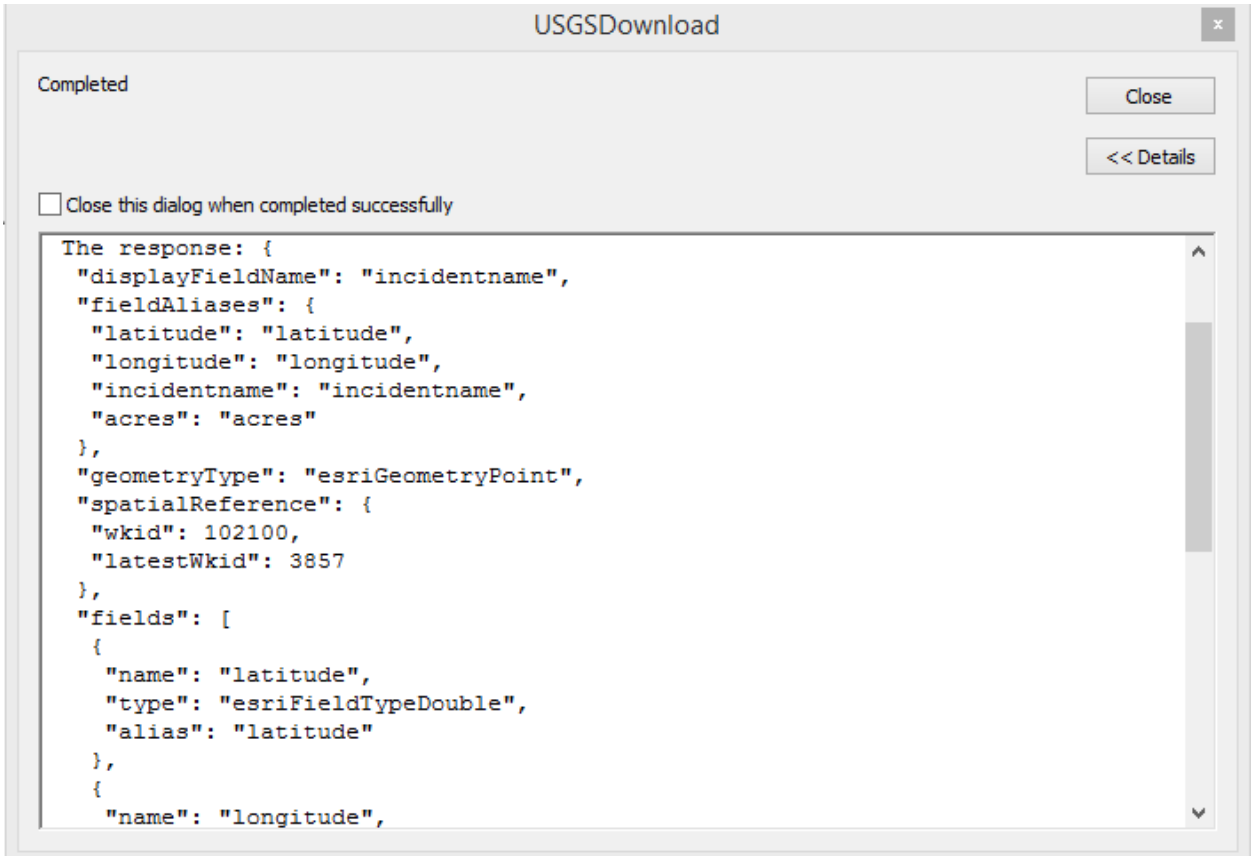

Python Errors
Traceback (most recent call last):
File "<string>", line 12, in __init__
NameError: global name 'USGSDownloads' is not defined
Edit Toolbox...

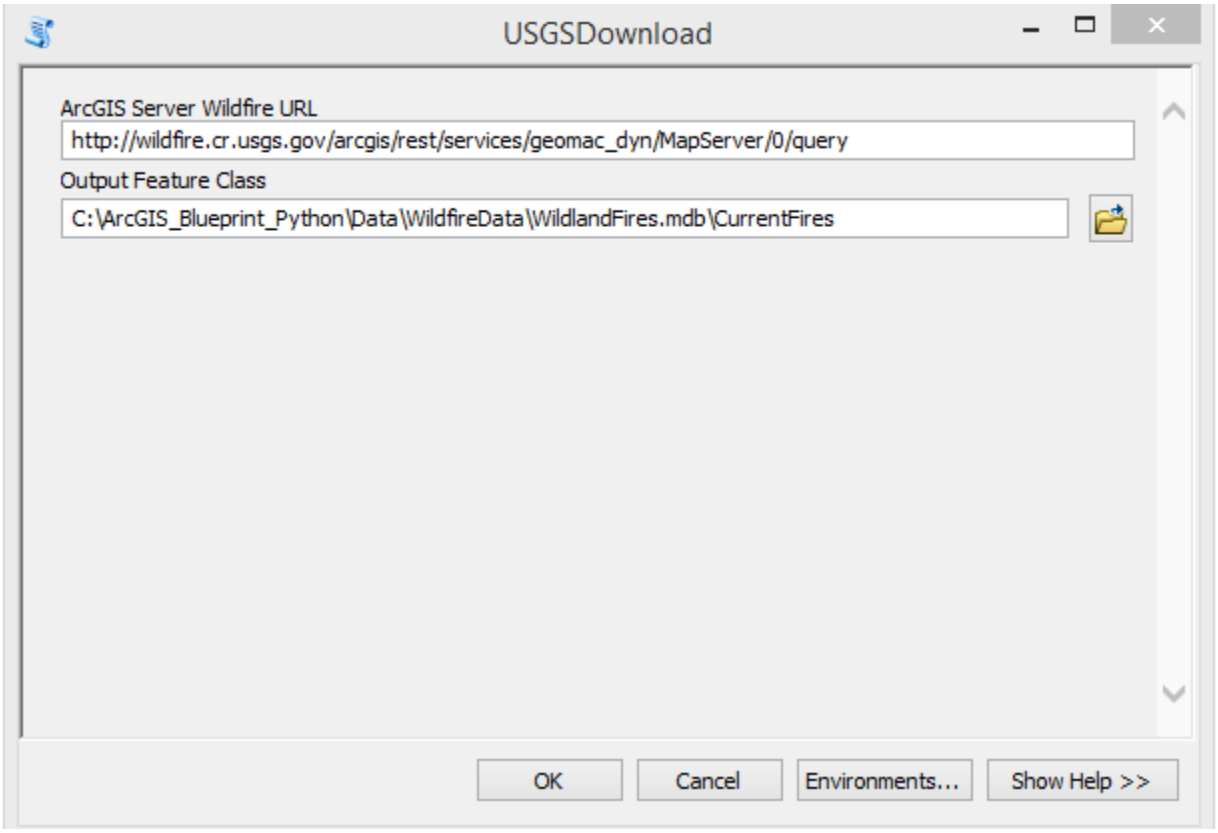

Catalog Tree
Folder Connections
Toolboxes
My Toolboxes
InsertWildfires.pyt
System Toolboxes

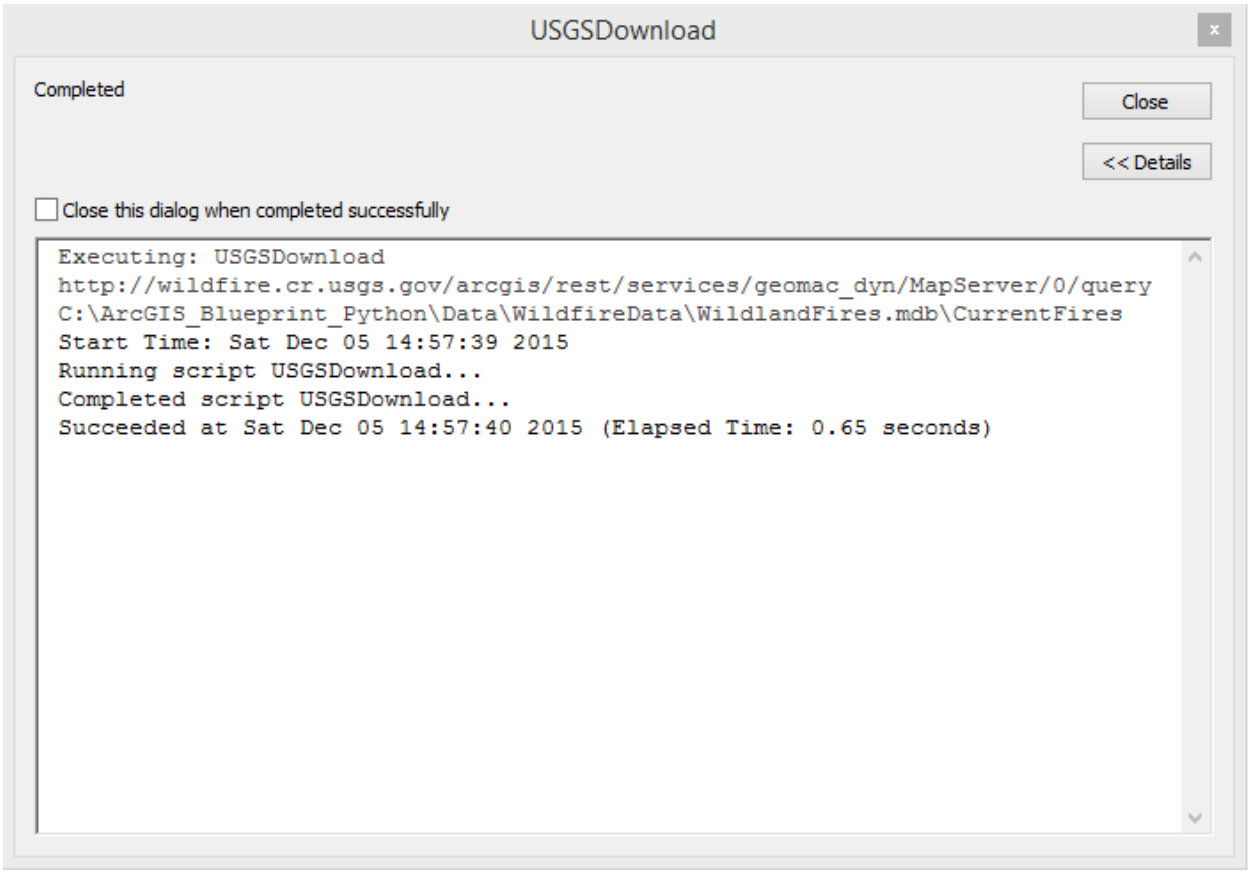

USGSDownload
ArcGIS Server Wildfire URL
http://wildfire.cr.usgs.gov/arcgis/rest/services/geomac_dyn/MapServer/0/query
Output Feature Class
OK
Cancel
Environments...
Show Help >>

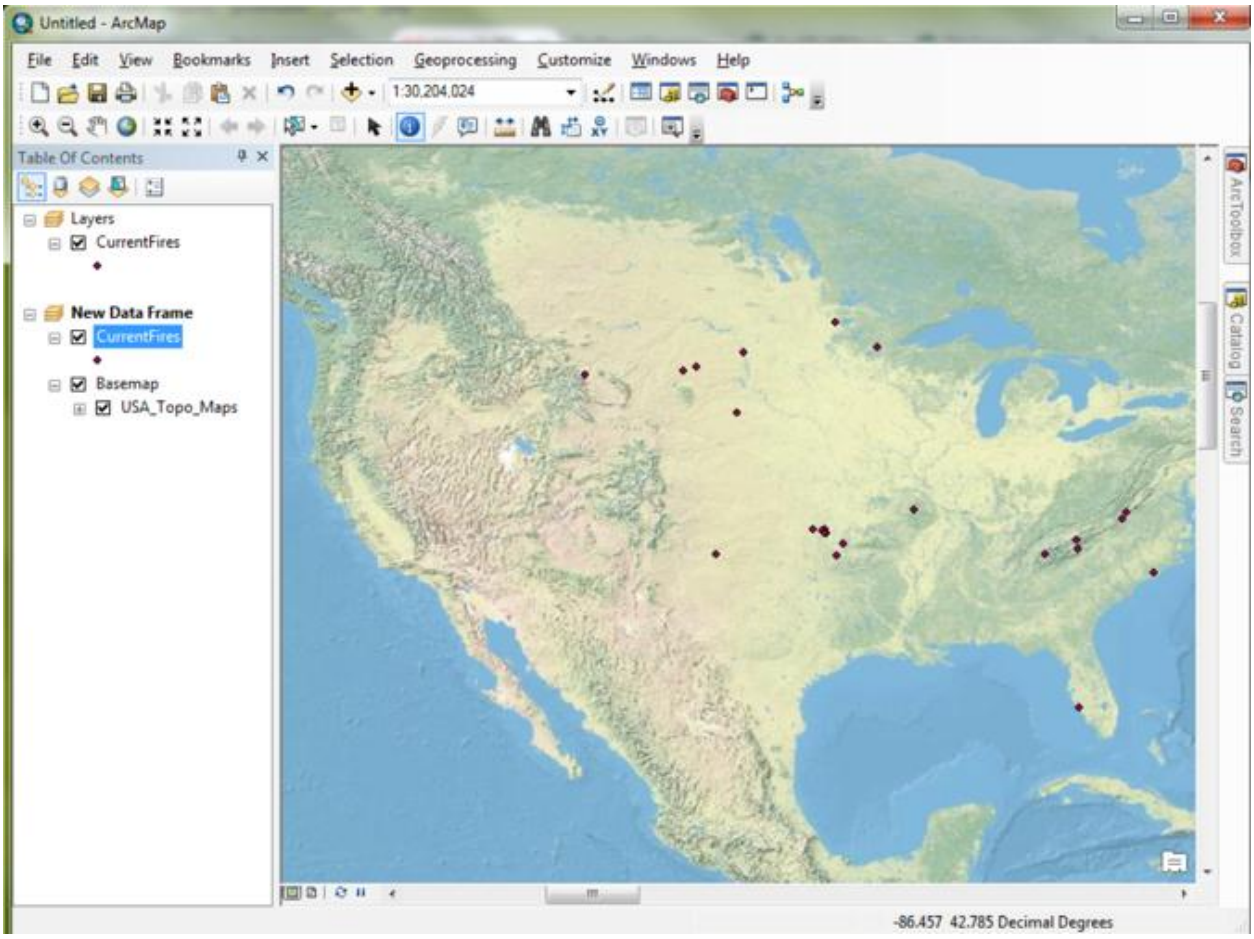

USGSDownload
Completed
Close
<< Details
Close this dialog when completed successfully
Executing: USGSDownload
http://wildfire.cr.usgs.gov/arcgis/rest/services/geomac_dyn/MapServer/0/query
C:\ArcGIS_Blueprint_Python\Data\WildfireData\WildlandFires.mdb\CurrentFires
Start Time: Sat Dec 05 13:25:06 2015
Running script USGSDownload...
http://wildfire.cr.usgs.gov/arcgis/rest/services/geomac_dyn/MapServer/0/query
C:\ArcGIS_Blueprint_Python\Data\WildfireData\WildlandFires.mdb\CurrentFires
Completed script USGSDownload...
Succeeded at Sat Dec 05 13:25:06 2015 (Elapsed Time: 0.05 seconds)

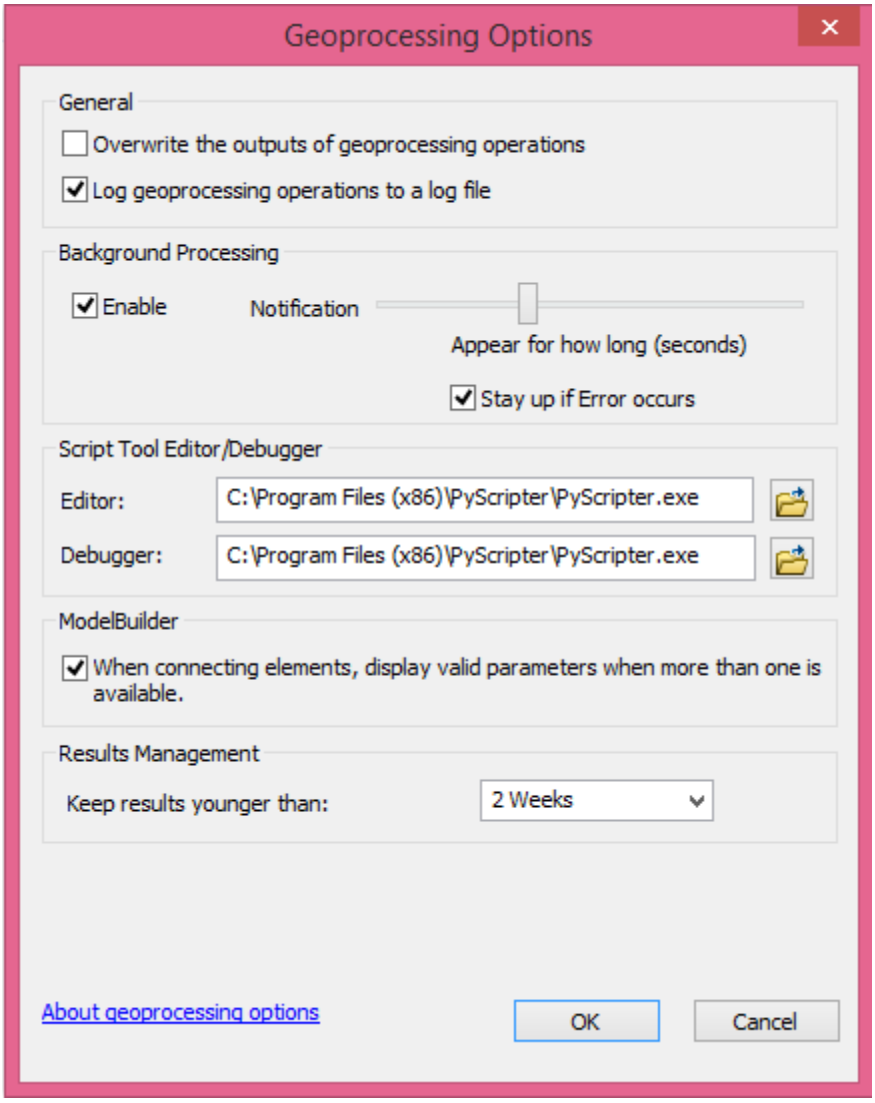

Catalog Tree
Folder Connections
Toolboxes
My Toolboxes
InsertWildfires.pyt
System Toolboxes


USGSDownload
Completed
Close
<< Details
Close this dialog when completed successfully
The response: {
"displayFieldName": "incidentname",
"fieldAliases": {
"latitude": "latitude",
"longitude": "longitude",
"incidentname": "incidentname",
"acres": "acres"
},
"geometryType": "esriGeometryPoint",
"spatialReference": {
"wkid": 102100,
"latestWkid": 3857
},
"fields": [
{
"name": "latitude",
"type": "esriFieldTypeDouble",
"alias": "latitude"
},
{
"name": "longitude",

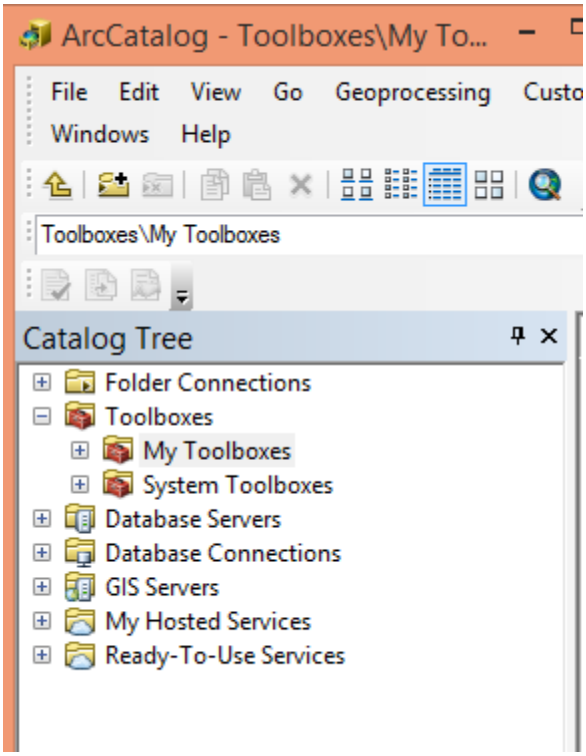

USGSDownload
ArcGIS Server Wildfire URL
http://wildfire.cr.usgs.gov/arcgis/rest/services/geomac_dyn/MapServer/0/query
Output Feature Class
C:\ArcGIS_Blueprint_Python\Data\WildfireData\WildlandFires.mdb\CurrentFires
OK
Cancel
Environments...
Show Help >>

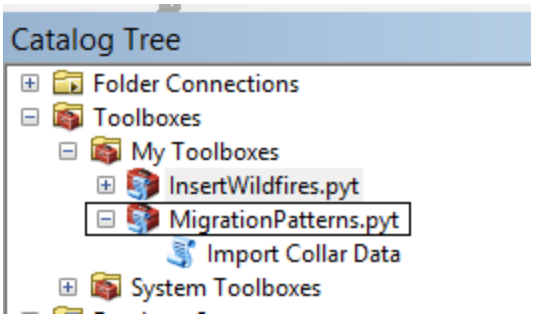

USGSDownload
Completed
Close
<< Details
Close this dialog when completed successfully
Executing: USGSDownload
http://wildfire.cr.usgs.gov/arcgis/rest/services/geomac_dyn/MapServer/0/query
C:\ArcGIS_Blueprint_Python\Data\WildfireData\WildlandFires.mdb\CurrentFires
Start Time: Sat Dec 05 14:57:39 2015
Running script USGSDownload...
Completed script USGSDownload...
Succeeded at Sat Dec 05 14:57:40 2015 (Elapsed Time: 0.65 seconds)


Untitled - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
1:30,204,024
Table Of Contents
Layers
CurrentFires
New Data Frame
CurrentFires
Basemap
USA_Topo_Maps
ArcToolbox
Catalog
Search
-86.457 42.785 Decimal Degrees

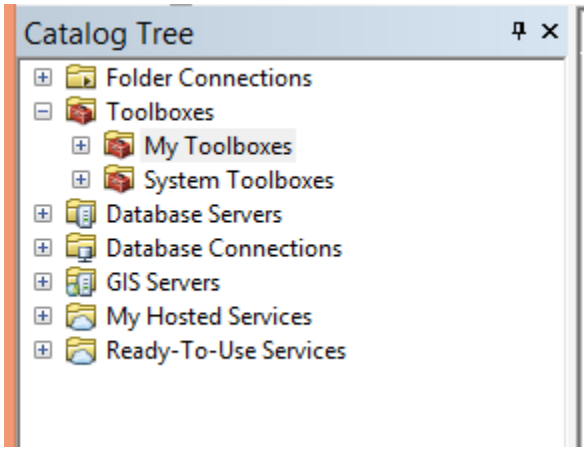

Geoprocessing Options
General
Overwrite the outputs of geoprocessing operations
Log geoprocessing operations to a log file
Background Processing
Enable
Notification
Appear for how long (seconds)
Stay up if Error occurs
Script Tool Editor/Debugger
Editor:
C:\Program Files (x86)\PyScripter\PyScripter.exe
Debugger:
C:\Program Files (x86)\PyScripter\PyScripter.exe
ModelBuilder
When connecting elements, display valid parameters when more than one is available.
Results Management
Keep results younger than:
2 Weeks
About geoprocessing options
OK
Cancel

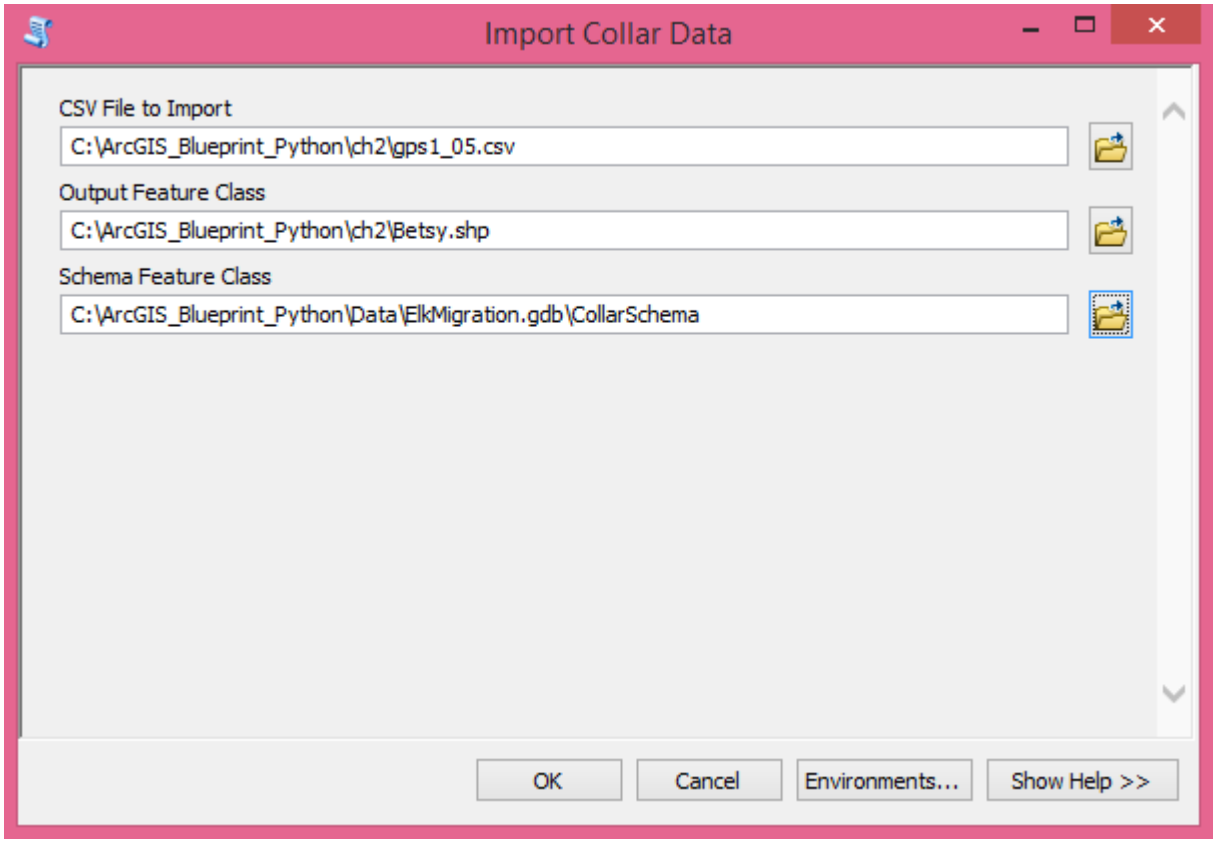
Chapter 2

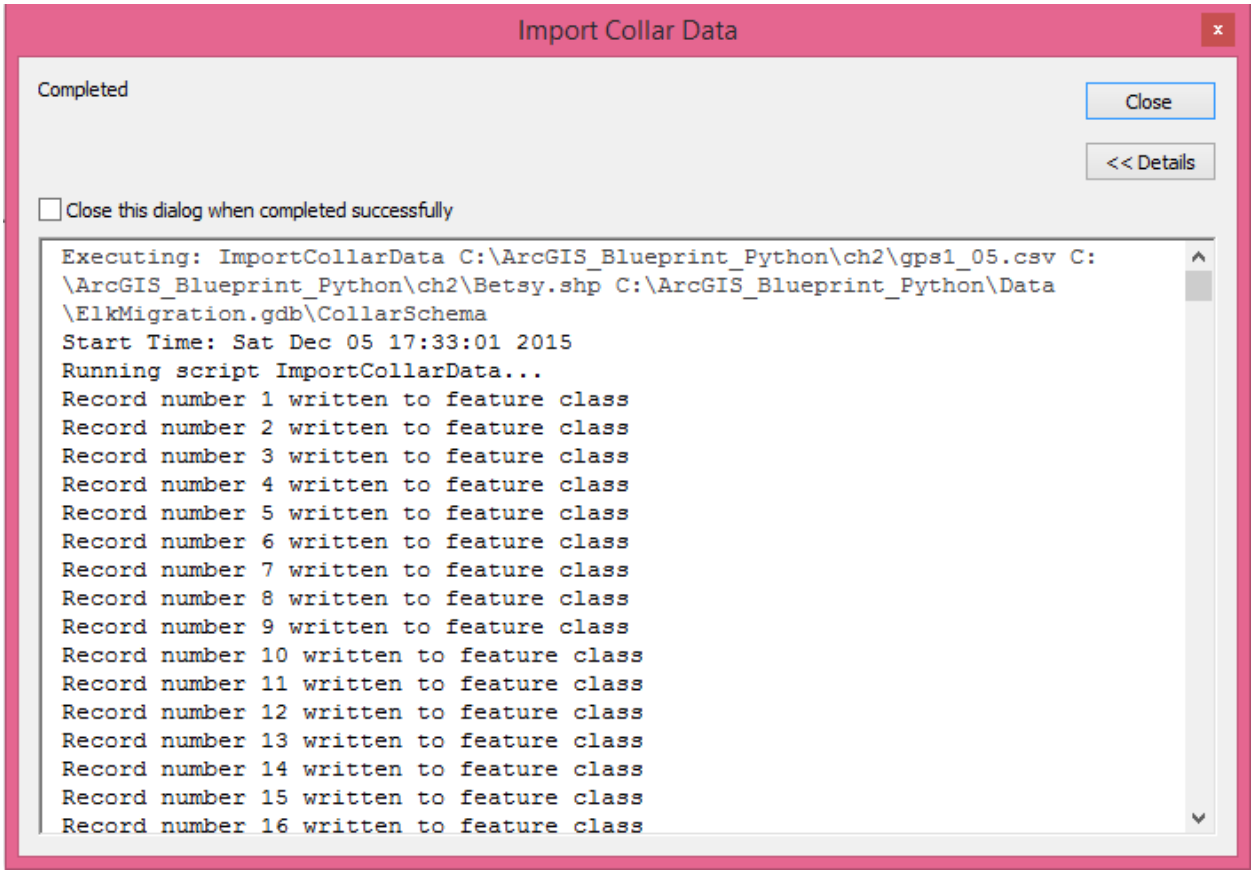

ArcCatalog - Toolboxes\My To...
File Edit View Go Geoprocessing Custo
Windows Help
Toolboxes\My Toolboxes
Catalog Tree
Folder Connections
Toolboxes
My Toolboxes
System Toolboxes
Database Servers
Database Connections
GIS Servers
My Hosted Services
Ready-To-Use Services

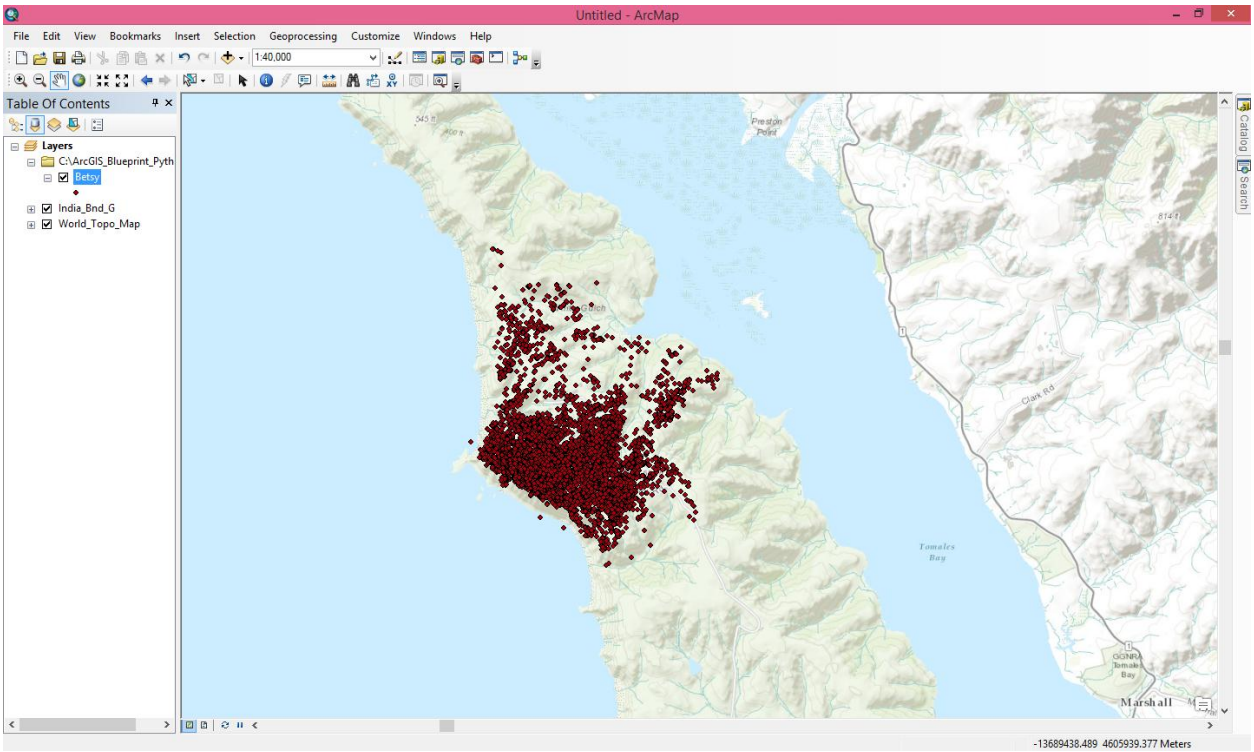

Catalog Tree
Folder Connections
Toolboxes
My Toolboxes
InsertWildfires.pyt
MigrationPatterns.pyt
Import Collar Data
System Toolboxes

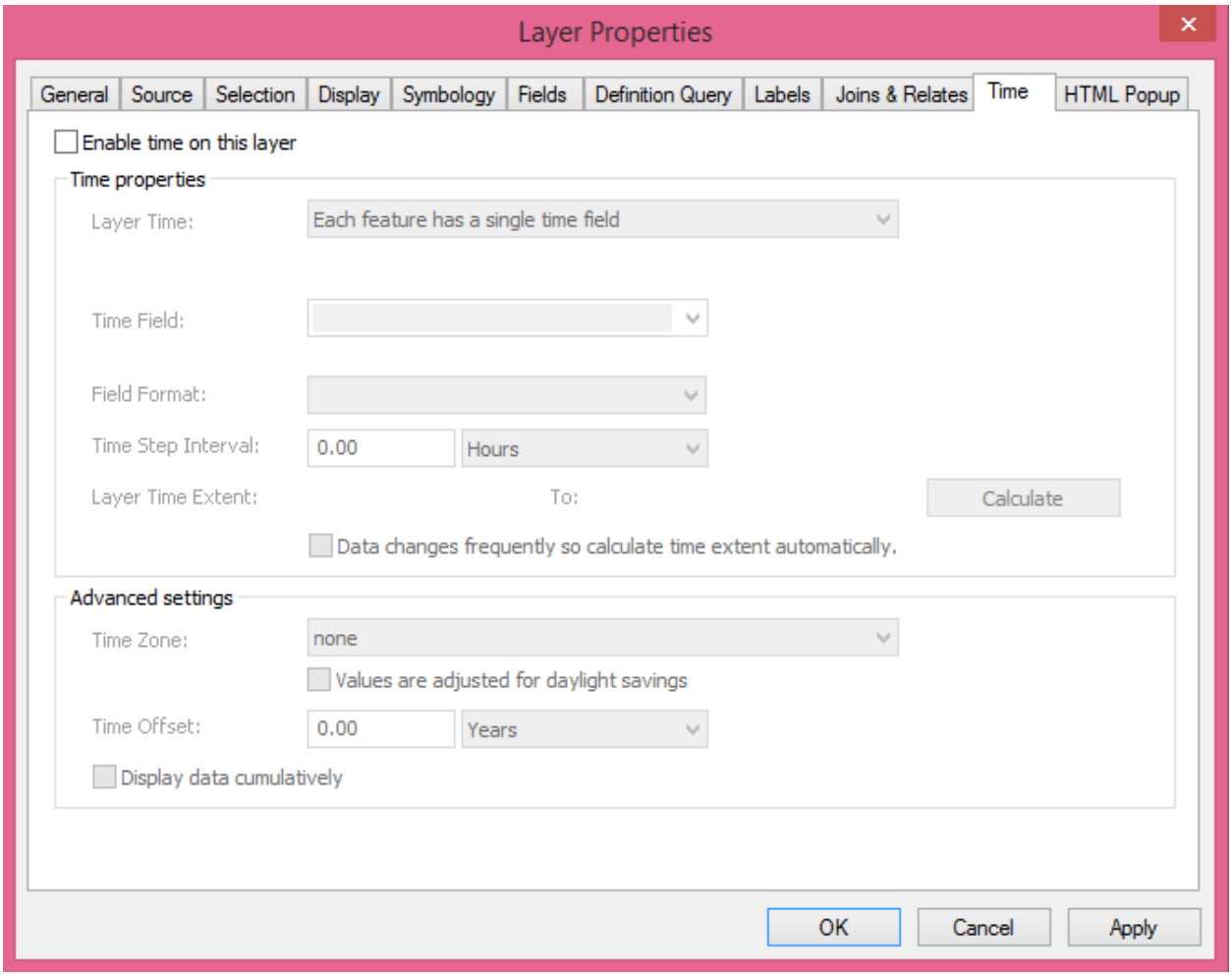
```
import arcpy


class Toolbox(object):
    def __init__(self):
        """Define the toolbox (the name of the toolbox is the name of the
        .pyt file)."""
        self.label = "Toolbox"
        self.alias = ""

        # List of tool classes associated with this toolbox
        self.tools = [ImportCollarData, VisualizeMigration]


class Tool(object):
    def __init__(self):
        """Define the tool (tool name is the name of the class)."""
        self.label = "Import Collar Data"
        self.description = "Import Elk Collar Data"
        self.canRunInBackground = False

    def getParameterInfo(self):

        return params

    def isLicensed(self):
        """Set whether tool is licensed to execute."""
        return True

    def updateParameters(self, parameters):
        """Modify the values and properties of parameters before internal
        validation is performed.  This method is called whenever a parameter
        has been changed."""
        return
```

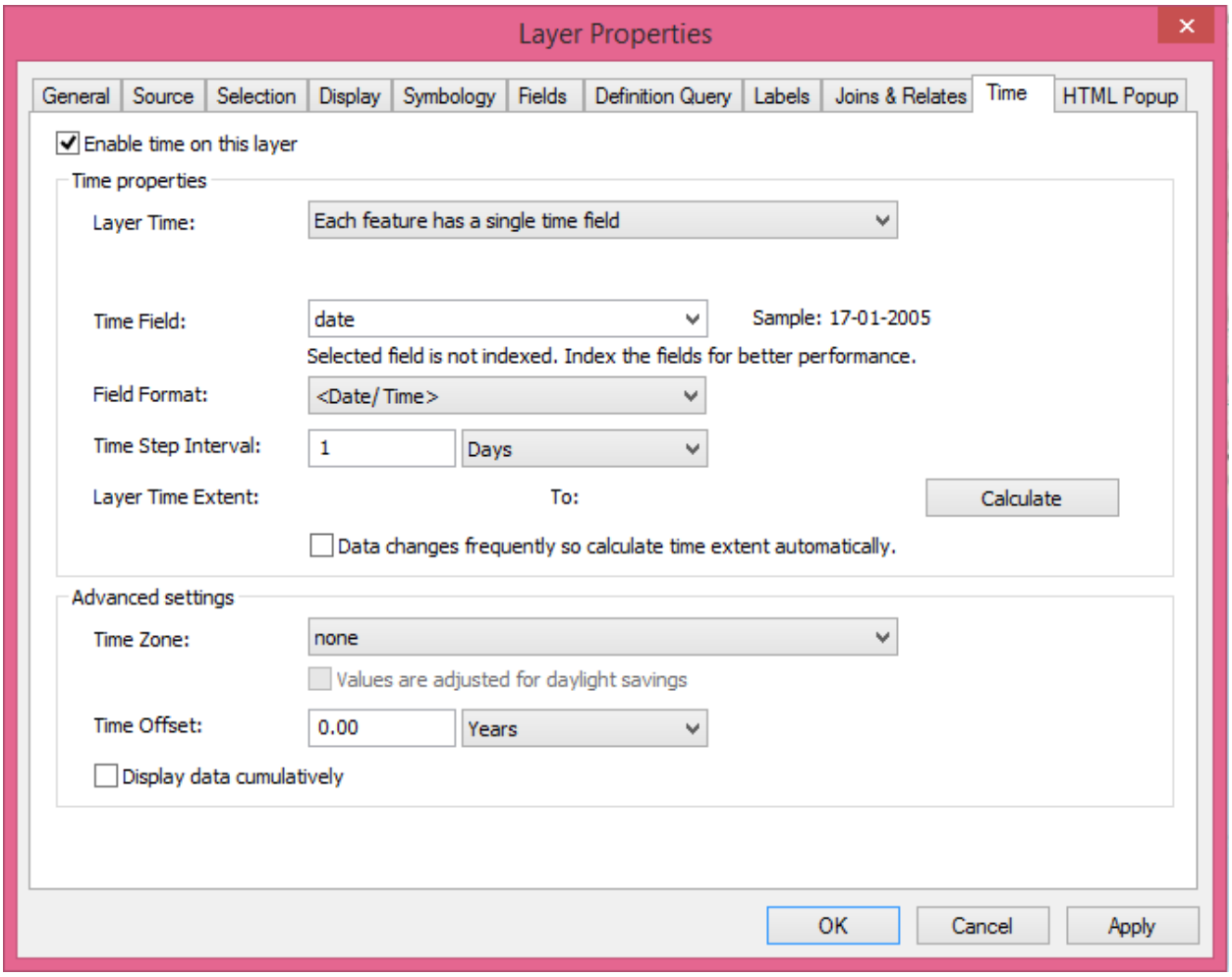


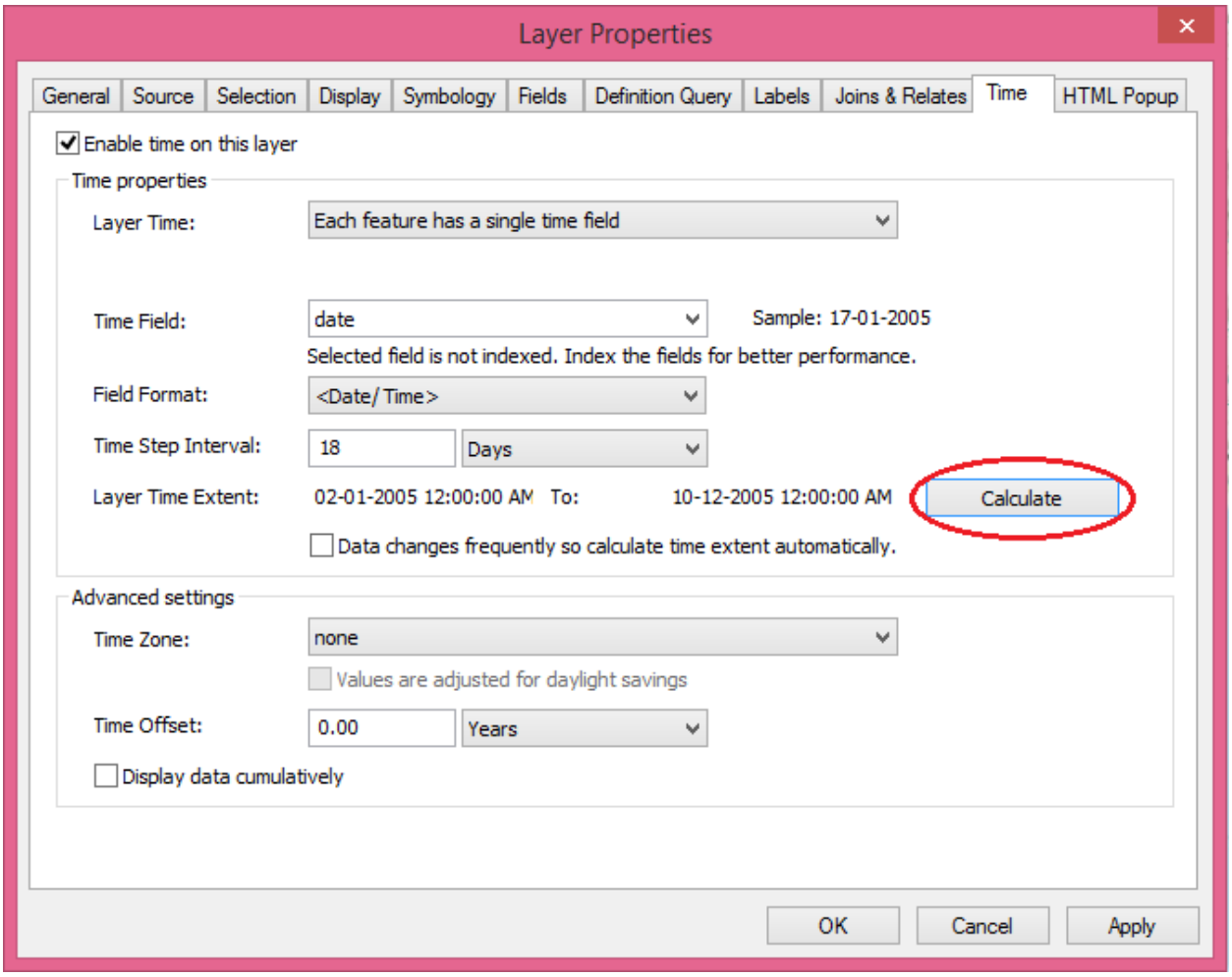

Import Collar Data
CSV File to Import
C:\ArcGIS_Blueprint_Python\ch2\gps1_05.csv
Output Feature Class
C:\ArcGIS_Blueprint_Python\ch2\Betsy.shp
Schema Feature Class
C:\ArcGIS_Blueprint_Python\Data\ElkMigration.gdb\CollarSchema
OK
Cancel
Environments...
Show Help >>

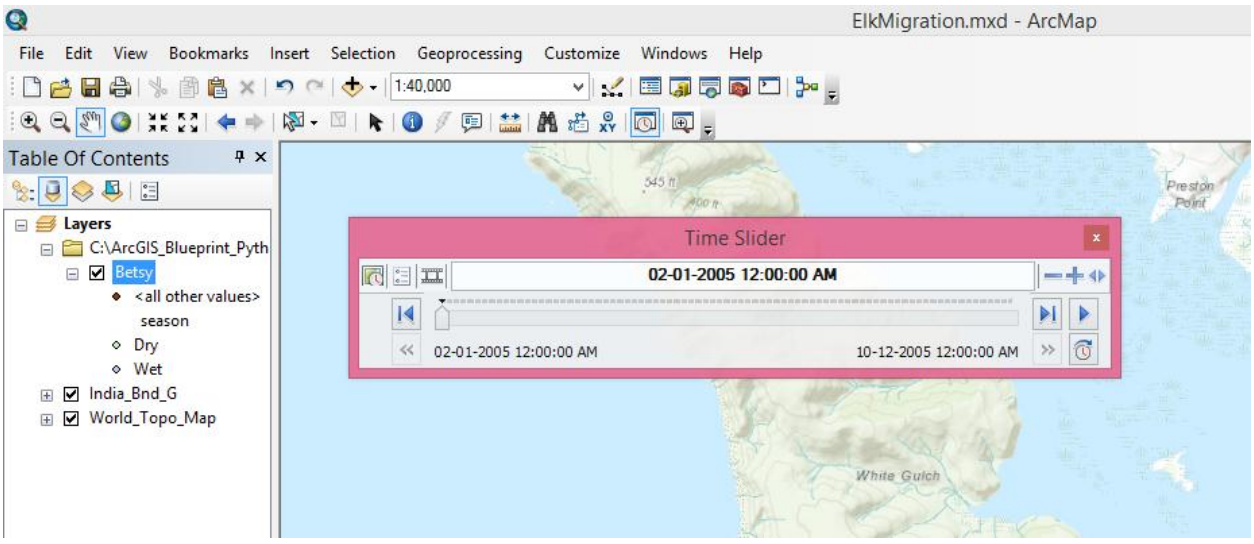

Import Collar Data
Completed
Close
<< Details
Close this dialog when completed successfully
Executing: ImportCollarData C:\ArcGIS_Blueprint_Python\ch2\gps1_05.csv C:
\ArcGIS_Blueprint_Python\ch2\Betsy.shp C:\ArcGIS_Blueprint_Python\Data
\ElkMigration.gdb\CollarSchema
Start Time: Sat Dec 05 17:33:01 2015
Running script ImportCollarData...
Record number 1 written to feature class
Record number 2 written to feature class
Record number 3 written to feature class
Record number 4 written to feature class
Record number 5 written to feature class
Record number 6 written to feature class
Record number 7 written to feature class
Record number 8 written to feature class
Record number 9 written to feature class
Record number 10 written to feature class
Record number 11 written to feature class
Record number 12 written to feature class
Record number 13 written to feature class
Record number 14 written to feature class
Record number 15 written to feature class
Record number 16 written to feature class

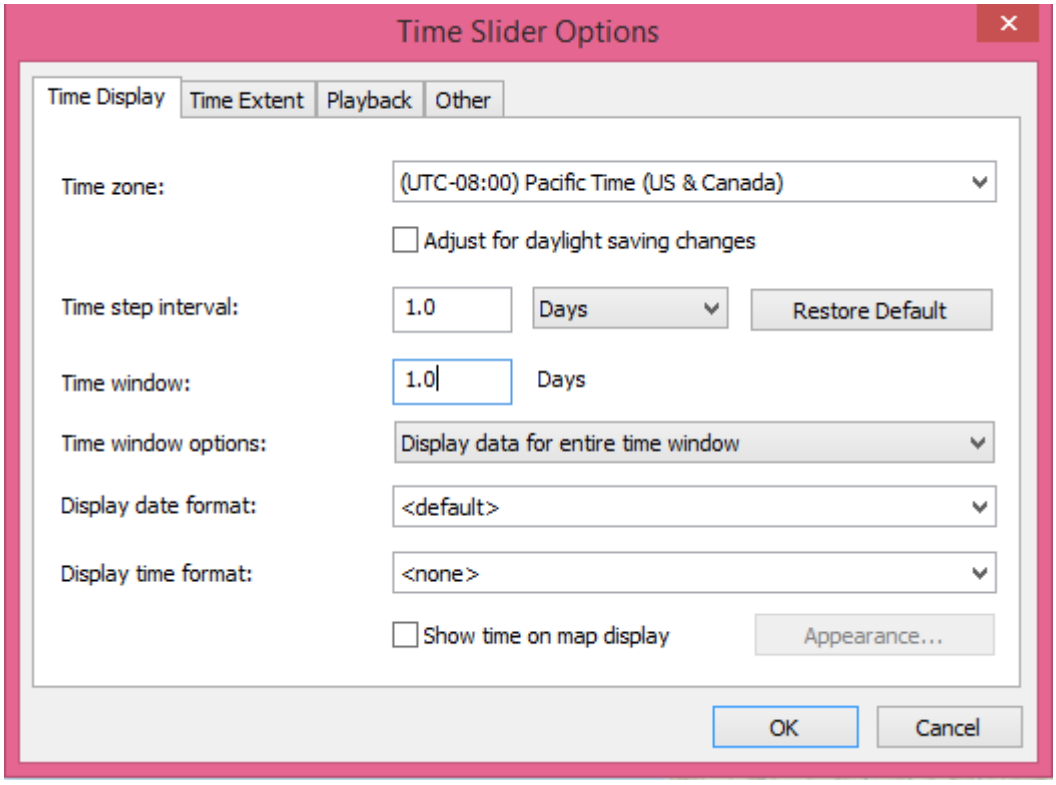

Untitled - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
1:40,000
Table Of Contents
Layers
C:\ArcGIS_Blueprint_Pyth
Betsy
India_Bnd_G
World_Topo_Map
Catalog
Search
Marshall
-13689438.489 4605939.377 Meters

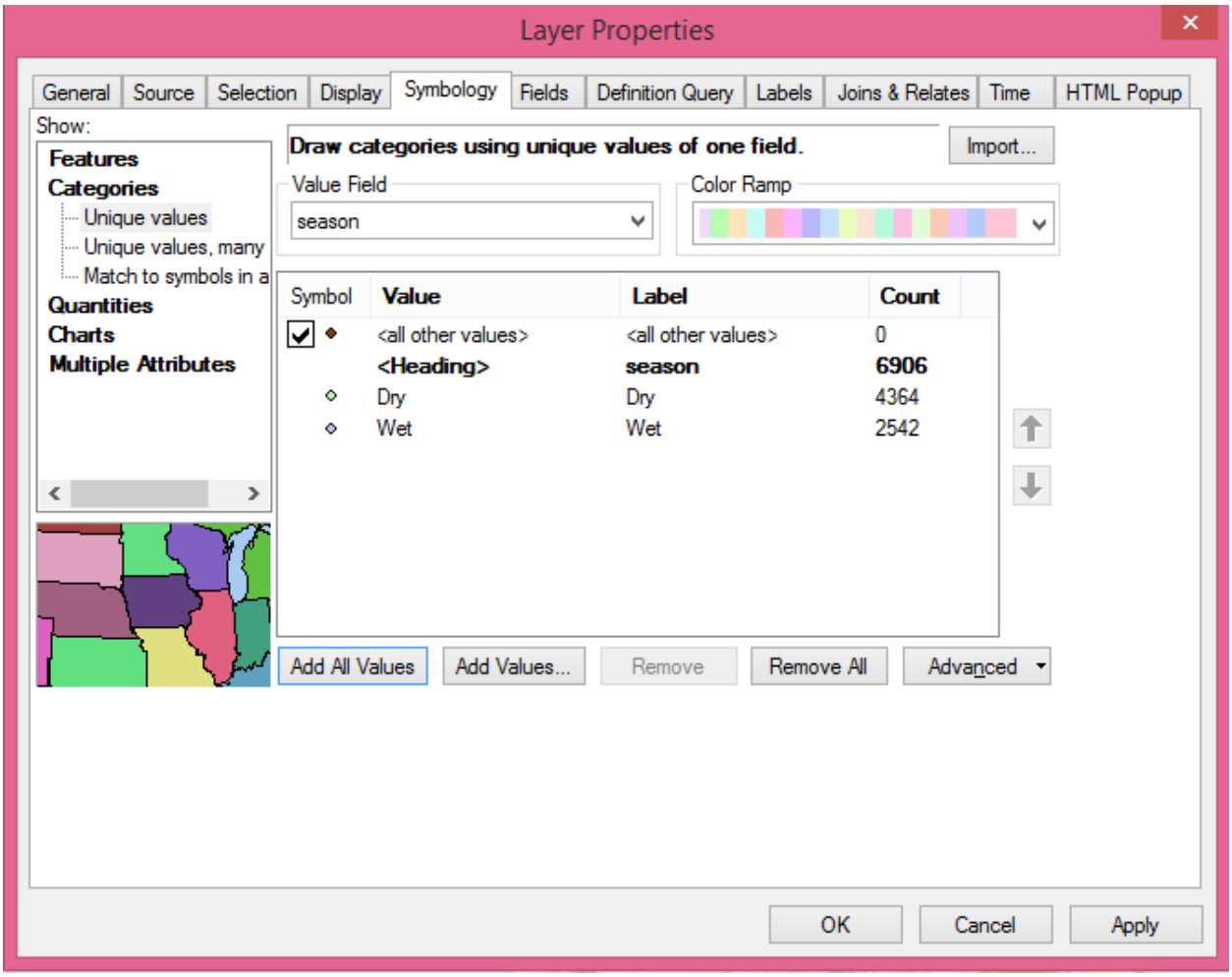

Layer Properties
General
Source
Selection
Display
Symbology
Fields
Definition Query
Labels
Joins & Relates
Time
HTML Popup
Enable time on this layer
Time properties
Layer Time:
Each feature has a single time field
Time Field:
Field Format:
Time Step Interval:
0.00
Hours
Layer Time Extent:
To:
Calculate
Data changes frequently so calculate time extent automatically.
Advanced settings
Time Zone:
none
Values are adjusted for daylight savings
Time Offset:
0.00
Years
Display data cumulatively
OK
Cancel
Apply

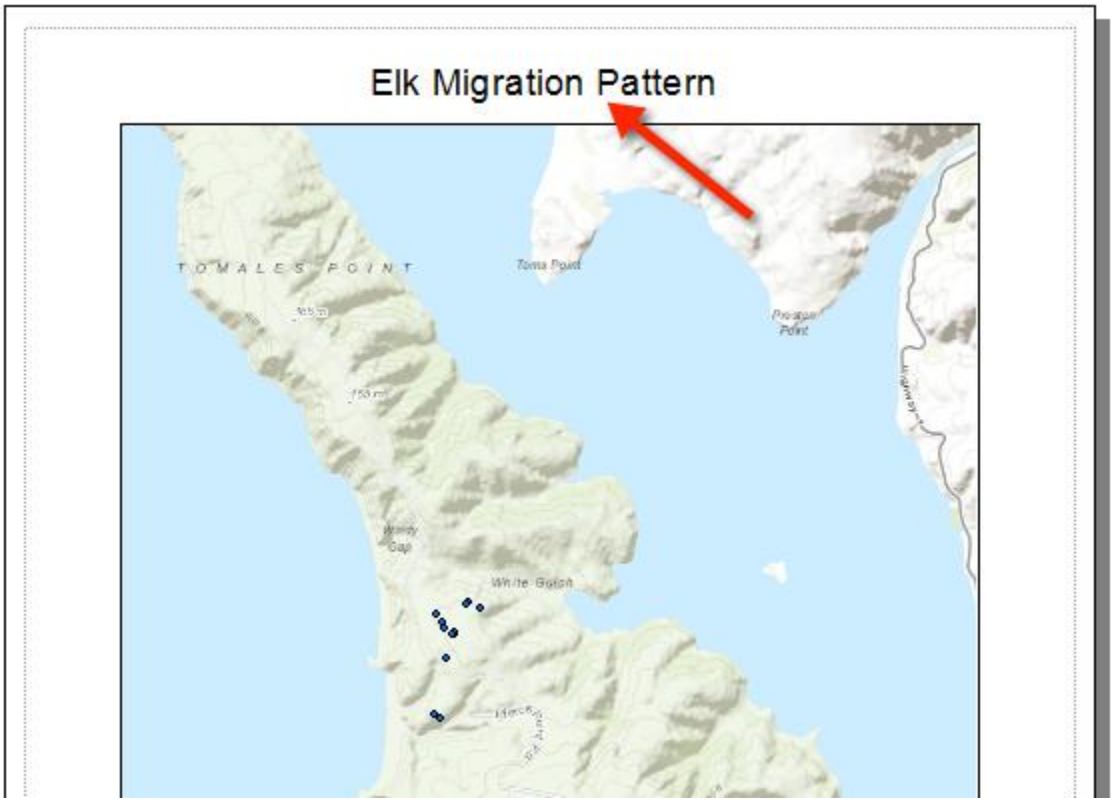

Layer Properties
General
Source
Selection
Display
Symbology
Fields
Definition Query
Labels
Joins & Relates
Time
HTML Popup
Enable time on this layer
Time properties
Layer Time:
Each feature has a single time field
Time Field:
date
Sample: 17-01-2005
Selected field is not indexed. Index the fields for better performance.
Field Format:
<Date/ Time>
Time Step Interval:
1
Days
Layer Time Extent:
To:
Calculate
Data changes frequently so calculate time extent automatically.
Advanced settings
Time Zone:
none
Values are adjusted for daylight savings
Time Offset:
0.00
Years
Display data cumulatively
OK
Cancel
Apply

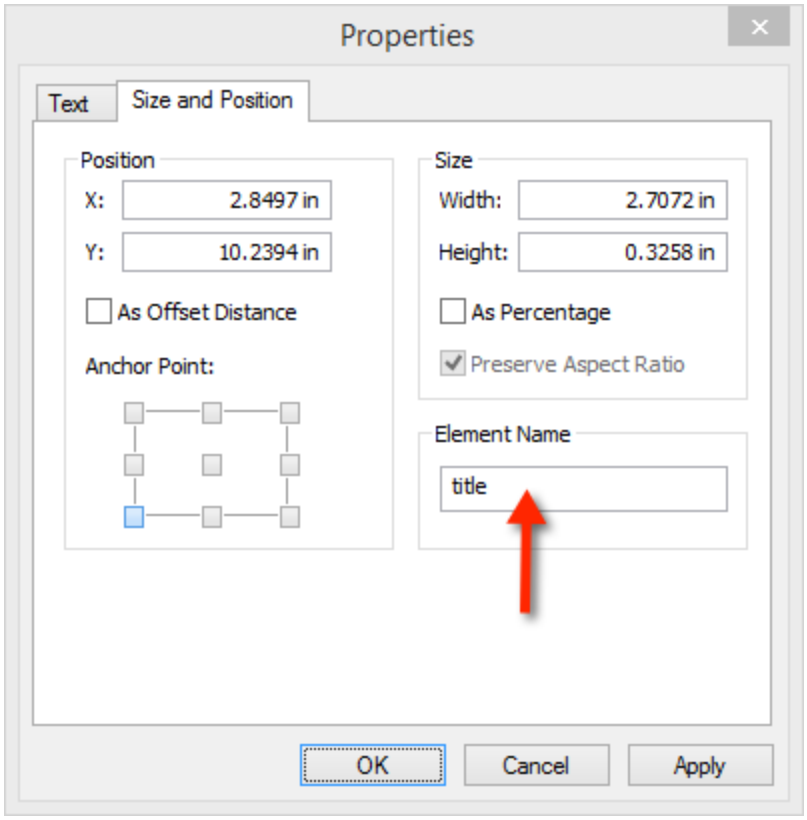

Layer Properties
General
Source
Selection
Display
Symbology
Fields
Definition Query
Labels
Joins & Relates
Time
HTML Popup
Enable time on this layer
Time properties
Layer Time:
Each feature has a single time field
Time Field:
date
Sample: 17-01-2005
Selected field is not indexed. Index the fields for better performance.
Field Format:
<Date/ Time>
Time Step Interval:
18
Days
Layer Time Extent:
02-01-2005 12:00:00 AM
To:
10-12-2005 12:00:00 AM
Calculate
Data changes frequently so calculate time extent automatically.
Advanced settings
Time Zone:
none
Values are adjusted for daylight savings
Time Offset:
0.00
Years
Display data cumulatively
OK
Cancel
Apply

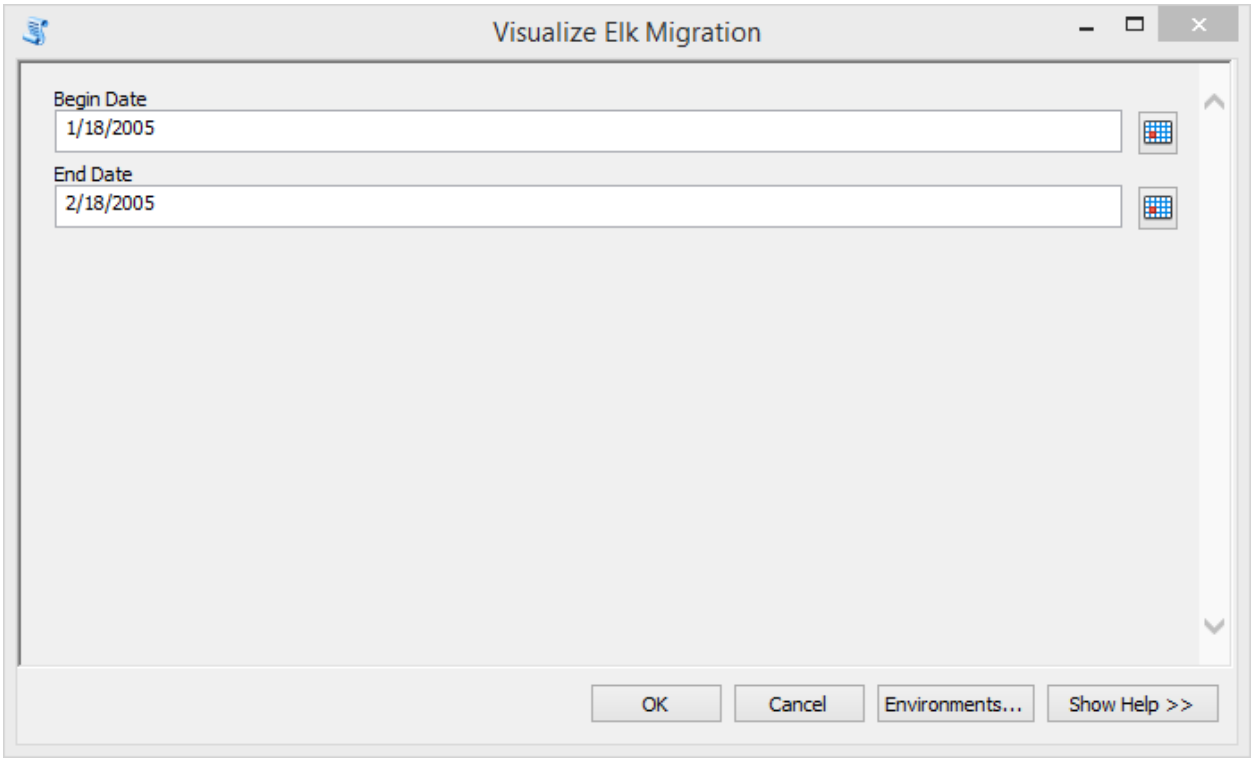

ElkMigration.mxd - ArcMap
File
Edit
View
Bookmarks
Insert
Selection
Geoprocessing
Customize
Windows
Help
1:40,000
Table Of Contents
Layers
C:\ArcGIS_Blueprint_Pyth
Betsy
<all other values>
season
Dry
Wet
India_Bnd_G
World_Topo_Map
Time Slider
02-01-2005 12:00:00 AM
02-01-2005 12:00:00 AM
10-12-2005 12:00:00 AM
Preston Point
White Gulch


Time Slider Options
Time Display
Time Extent
Playback
Other
Time zone:
(UTC-08:00) Pacific Time (US & Canada)
Adjust for daylight saving changes
Time step interval:
1.0
Days
Restore Default
Time window:
1.0
Days
Time window options:
Display data for entire time window
Display date format:
<default>
Display time format:
<none>
Show time on map display
Appearance...
OK
Cancel

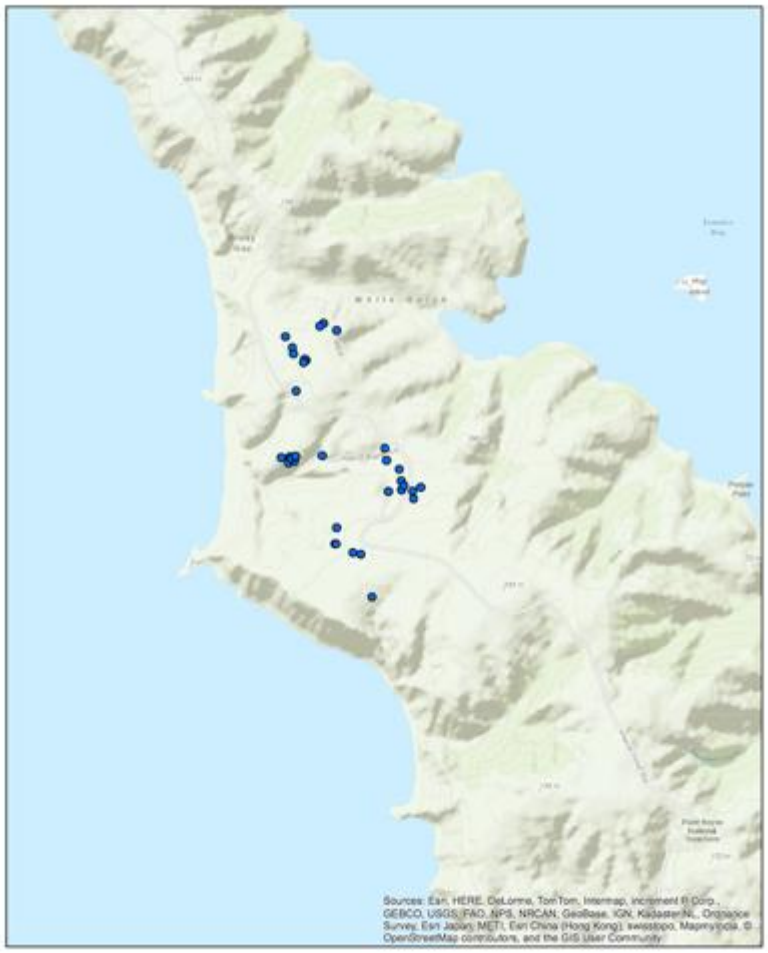

Layer Properties
General
Source
Selection
Display
Symbology
Fields
Definition Query
Labels
Joins & Relates
Time
HTML Popup
Show:
Features
Categories
Unique values
Unique values, many
Match to symbols in a
Quantities
Charts
Multiple Attributes
Draw categories using unique values of one field.
Import...
Value Field
season
Color Ramp
Symbol
Value
Label
Count
<all other values>
<all other values>
0
<Heading>
season
6906
Dry
Dry
4364
Wet
Wet
2542
Add All Values
Add Values...
Remove
Remove All
Advanced
OK
Cancel
Apply

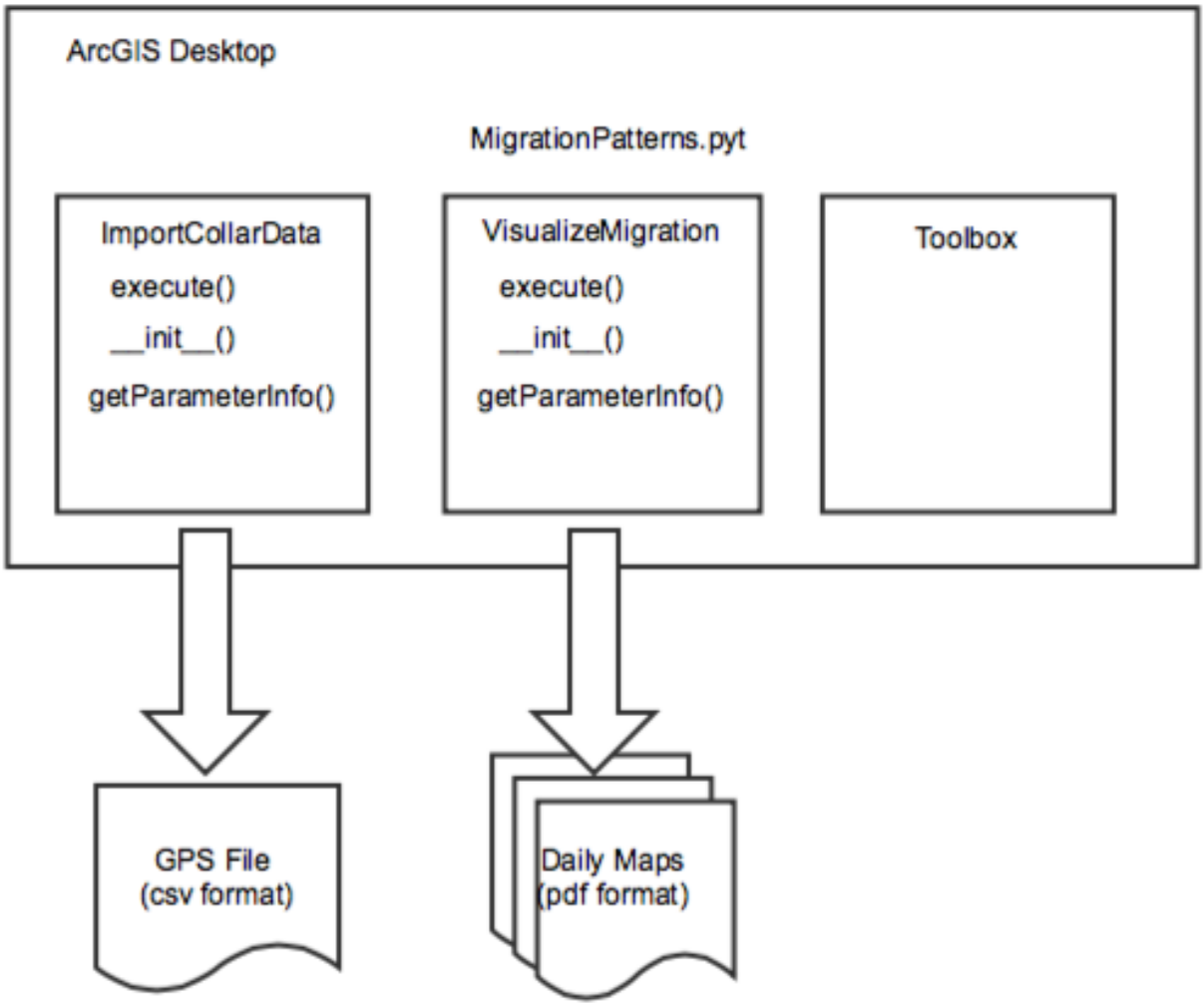

Elk Migration Pattern
TOMALES POINT
Toma Point
Pinnacle Point
White Gulch


Properties
Text
Size and Position
Position
X: 2.8497 in
Y: 10.2394 in
As Offset Distance
Anchor Point:
Size
Width: 2.7072 in
Height: 0.3258 in
As Percentage
Preserve Aspect Ratio
Element Name
title
OK
Cancel
Apply

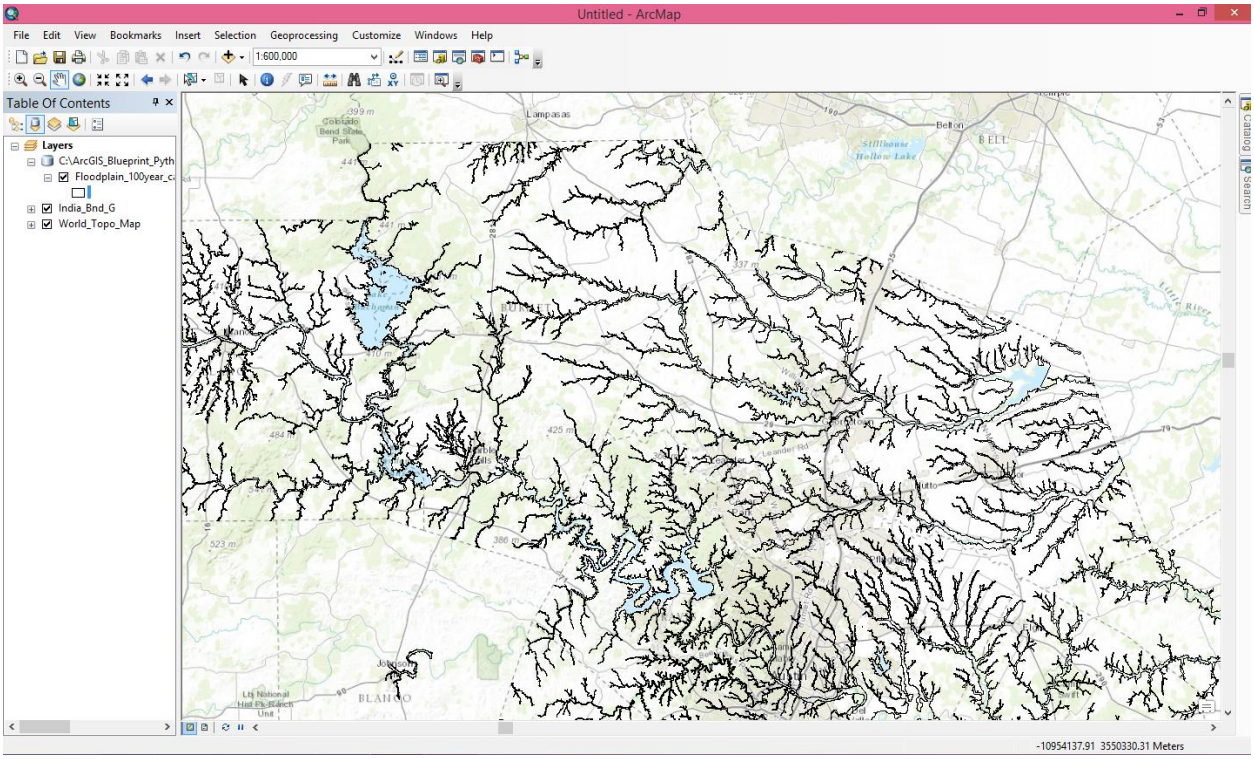

Visualize Elk Migration
Begin Date
1/18/2005
End Date
2/18/2005
OK
Cancel
Environments...
Show Help >>

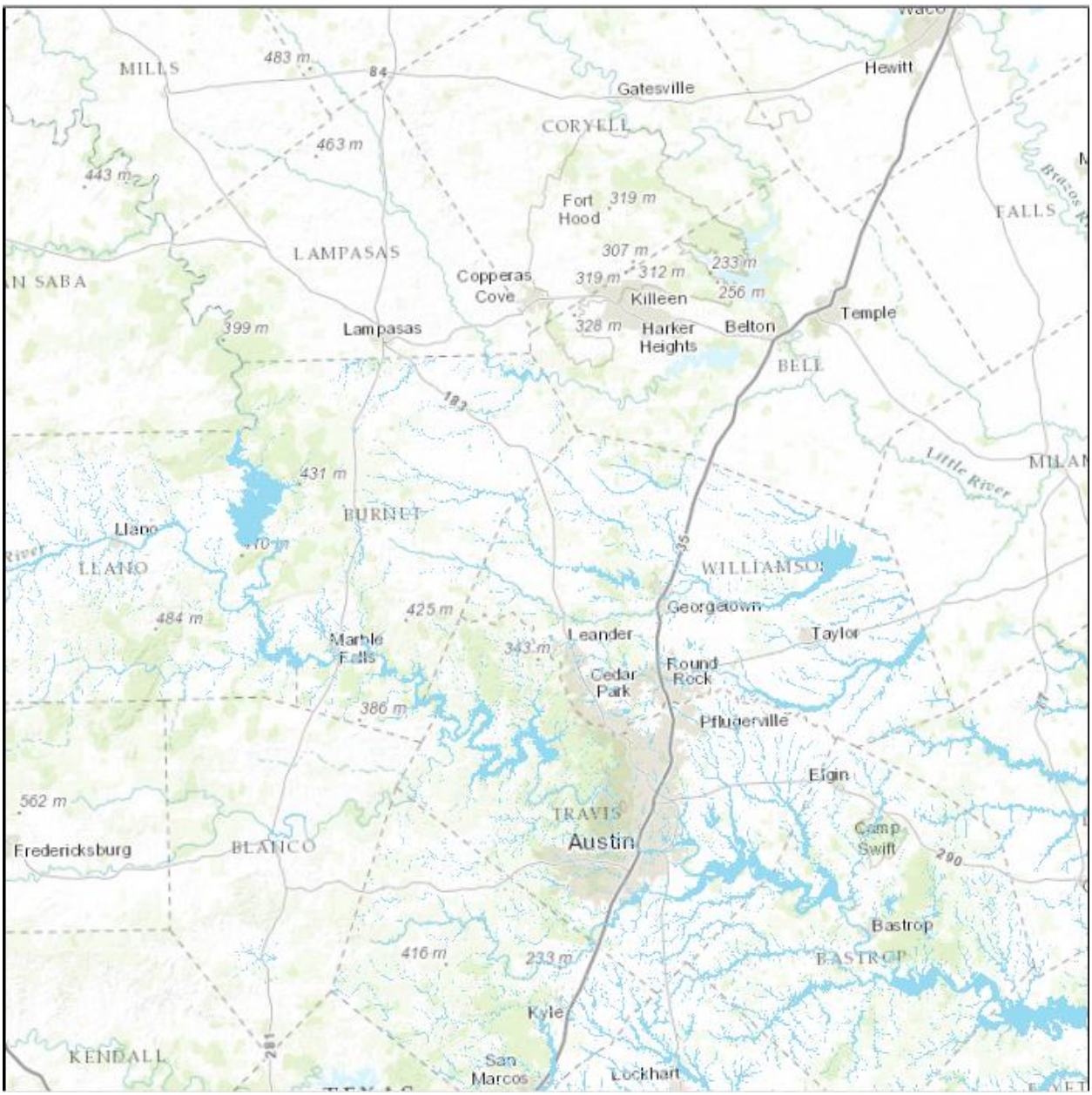
Elk Migration Pattern: 2005-01-18

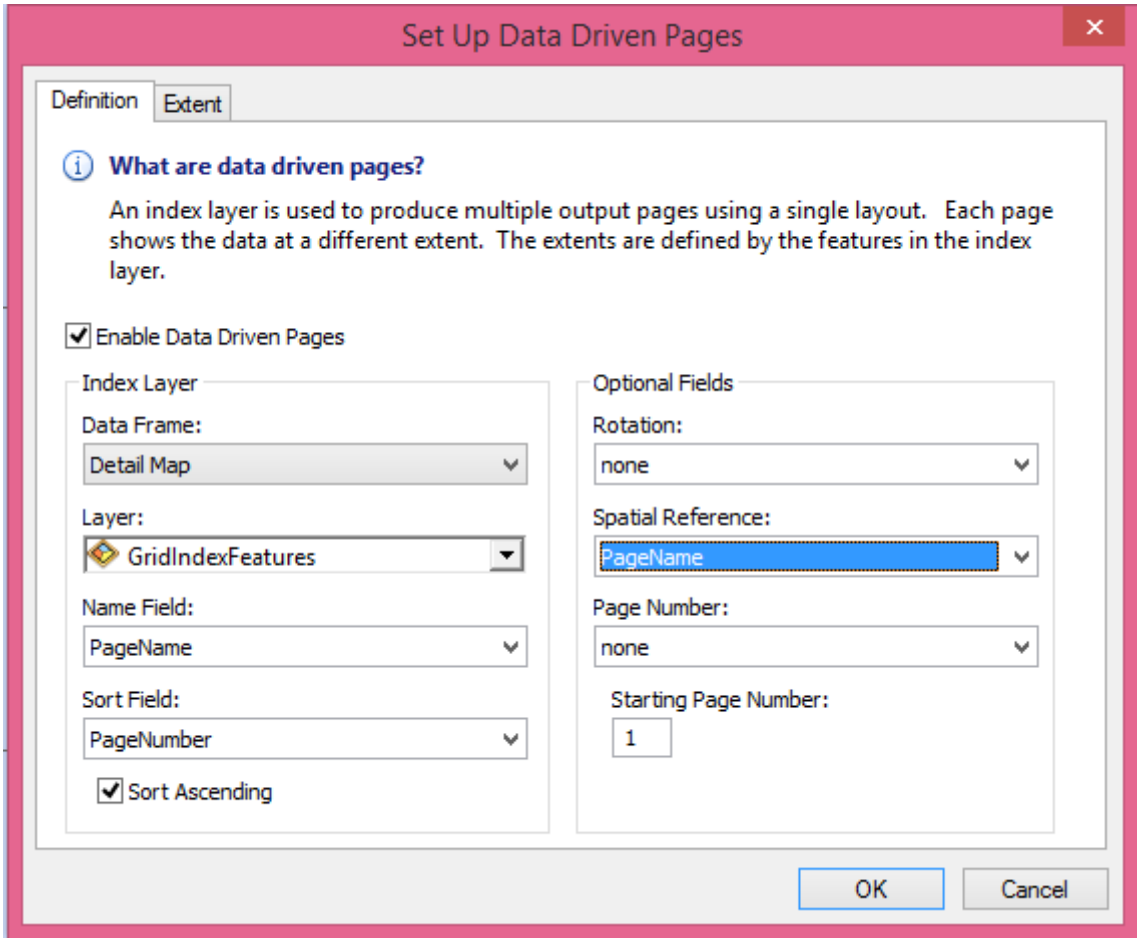


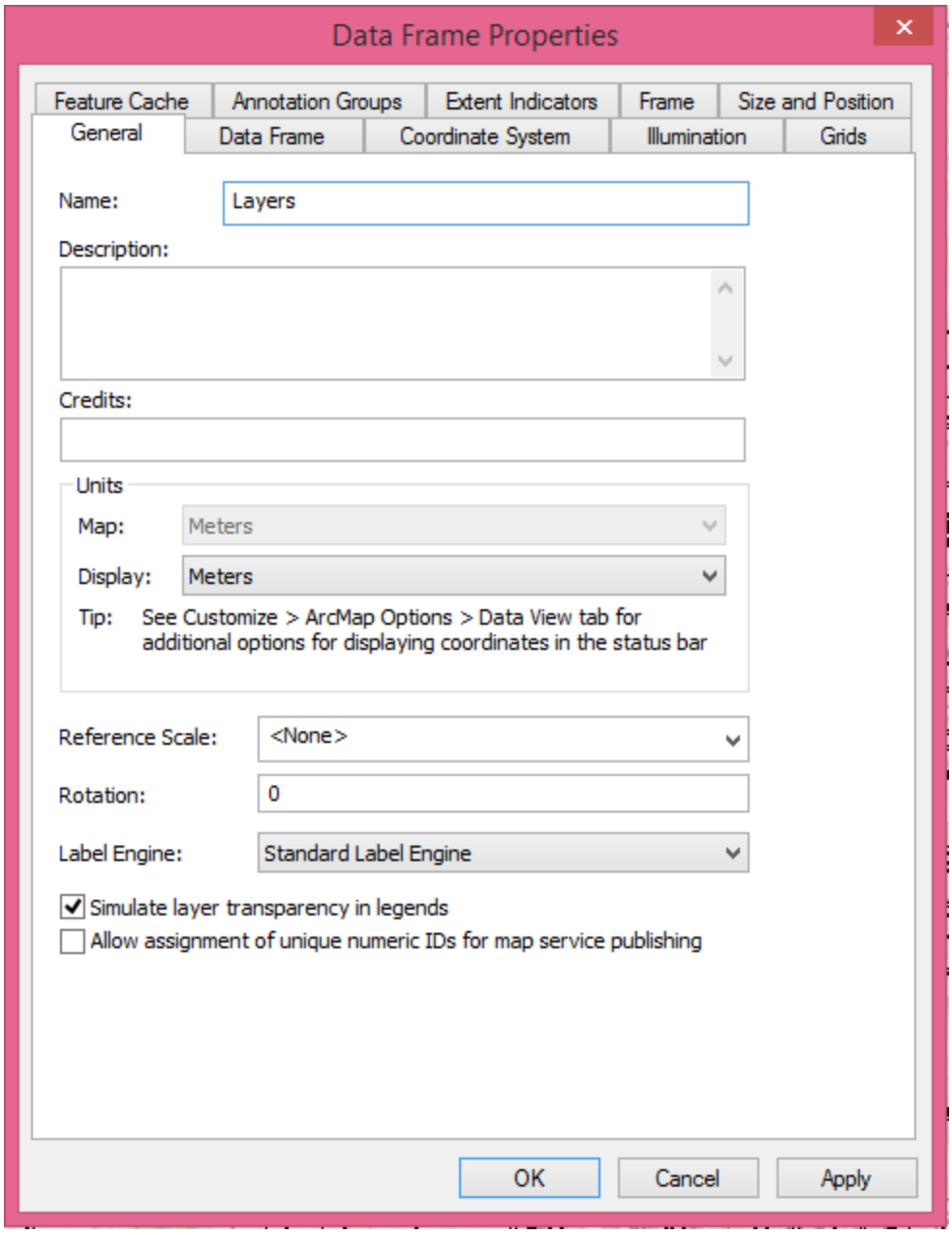

ArcGIS Desktop
MigrationPatterns.pyt
ImportCollarData
execute()
__init__()
getParameterInfo()
VisualizeMigration
execute()
__init__()
getParameterInfo()
Toolbox
GPS File
(csv format)
Daily Maps
(pdf format)

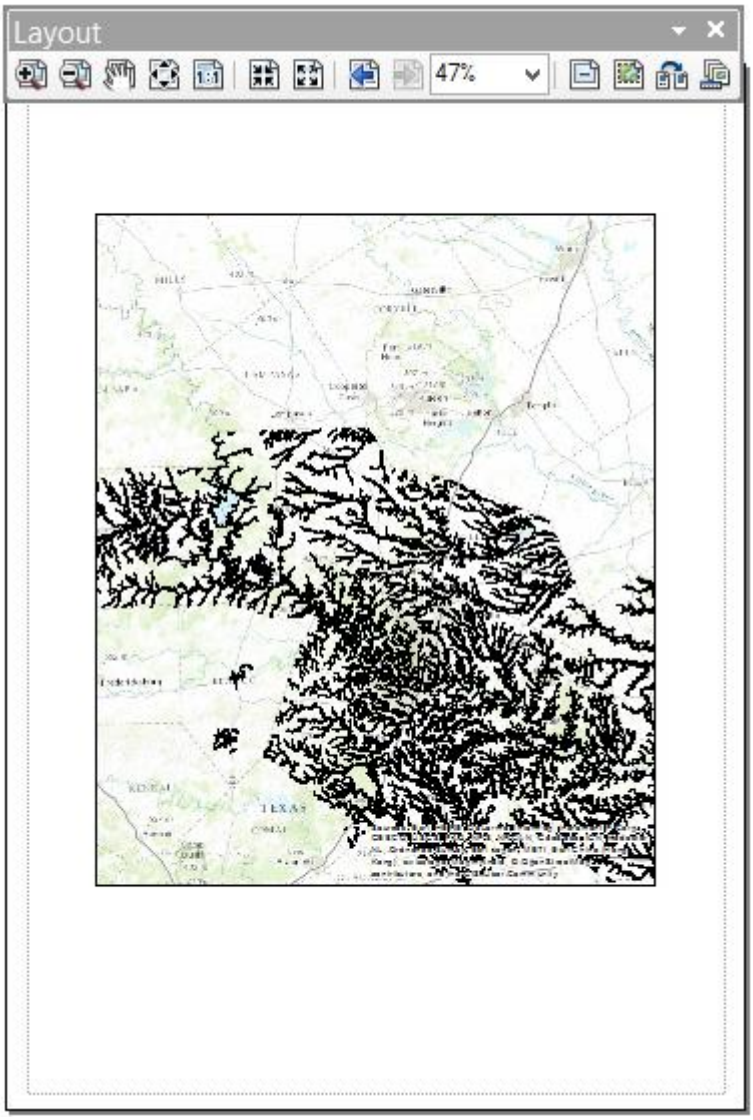
Chapter 3

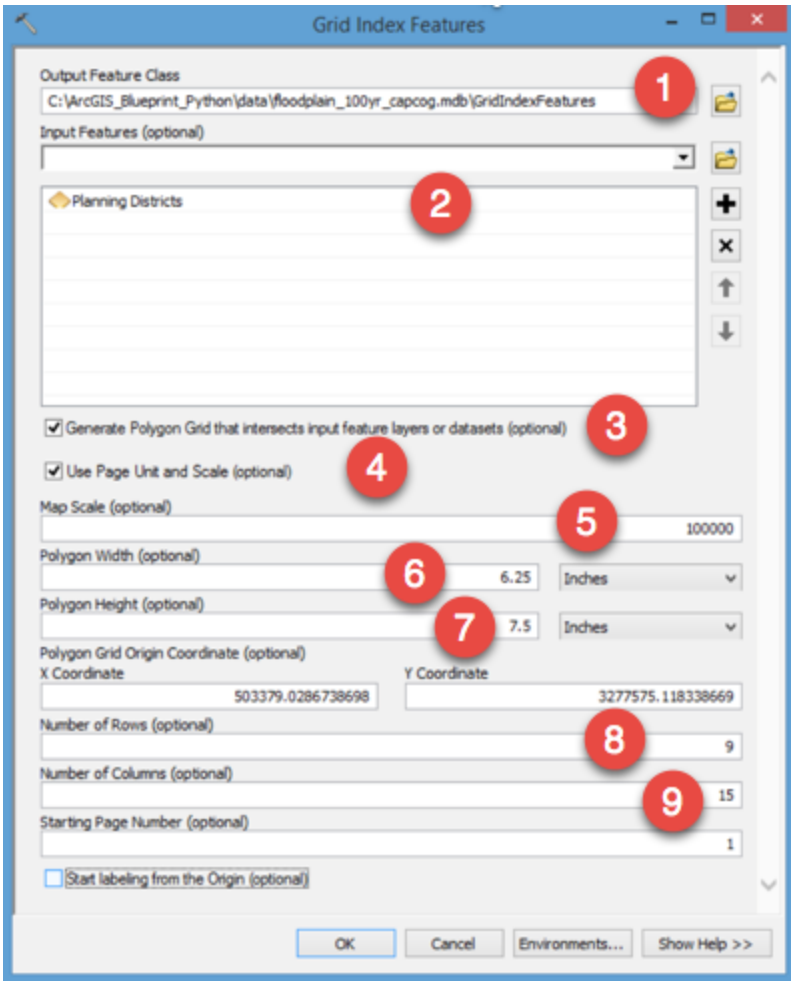

Untitled - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
1:600,000
Table Of Contents
Layers
C:\ArcGIS_Blueprint_Pyth
Floodplain_100year_c
India_Bnd_G
World_Topo_Map
Lampasas
Belton
BELL
BLANCO
-10954137.91 3550330.31 Meters

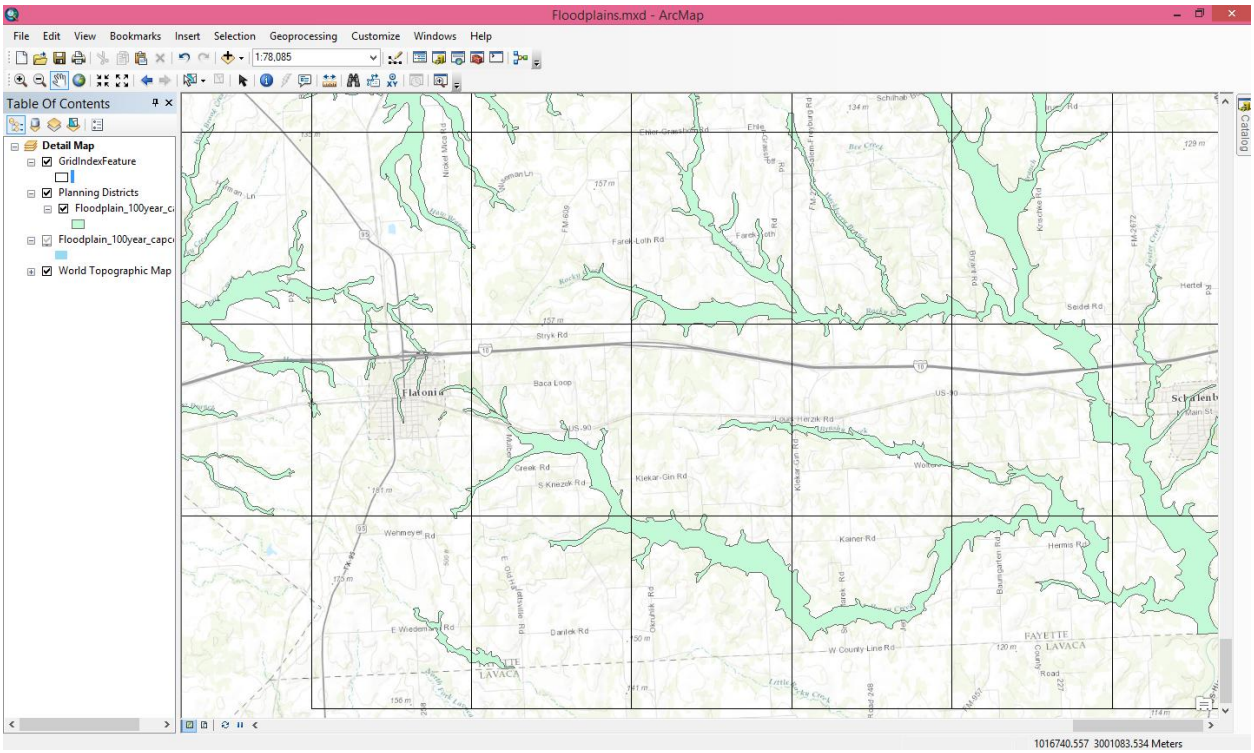

MILLS
483 m
84
Gatesville
Hewitt
CORYELL
463 m
443 m
Fort Hood
319 m
FALLS
LAMPASAS
307 m
233 m
Copperas Cove
319 m
312 m
Killeen
256 m
399 m
Lampasas
328 m
Harker Heights
Belton
Temple
BELL
183
431 m
BURNET
Little River
Llano
LLANO
35
WILLIAMSON
484 m
425 m
Georgetown
Marble Falls
Leander
343 m
Taylor
Round Rock
Cedar Park
386 m
Pflugerville
Elgin
562 m
TRAVIS
Austin
Fredericksburg
BLANCO
Camp Swift
290
Bastrop
416 m
233 m
BASTROP
Kyle
KENDALL
San Marcos
Lockhart


Set Up Data Driven Pages
Definition
Extent
What are data driven pages?
An index layer is used to produce multiple output pages using a single layout. Each page shows the data at a different extent. The extents are defined by the features in the index layer.
Enable Data Driven Pages
Index Layer
Data Frame:
Detail Map
Layer:
GridIndexFeatures
Name Field:
PageName
Sort Field:
PageNumber
Sort Ascending
Optional Fields
Rotation:
none
Spatial Reference:
PageName
Page Number:
none
Starting Page Number:
1
OK
Cancel


Data Frame Properties
Feature Cache
Annotation Groups
Extent Indicators
Frame
Size and Position
General
Data Frame
Coordinate System
Illumination
Grids
Name:
Layers
Description:
Credits:
Units
Map:
Meters
Display:
Meters
Tip:
See Customize > ArcMap Options > Data View tab for additional options for displaying coordinates in the status bar
Reference Scale:
<None>
Rotation:
0
Label Engine:
Standard Label Engine
Simulate layer transparency in legends
Allow assignment of unique numeric IDs for map service publishing
OK
Cancel
Apply


Layout
47%
TEXAS


Grid Index Features
Output Feature Class
C:\ArcGIS_Blueprint_Python\data\floodplain_100yr_capcog.mdb\GridIndexFeatures
1
Input Features (optional)
Planning Districts
2
Generate Polygon Grid that intersects input feature layers or datasets (optional)
3
Use Page Unit and Scale (optional)
4
Map Scale (optional)
5
100000
Polygon Width (optional)
6
6.25
Inches
Polygon Height (optional)
7
7.5
Inches
Polygon Grid Origin Coordinate (optional)
X Coordinate
503379.0286738698
Y Coordinate
3277575.118338669
Number of Rows (optional)
8
9
Number of Columns (optional)
9
15
Starting Page Number (optional)
1
Start labeling from the Origin (optional)
OK
Cancel
Environments...
Show Help >>


Floodplains.mxd - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
1:78,085
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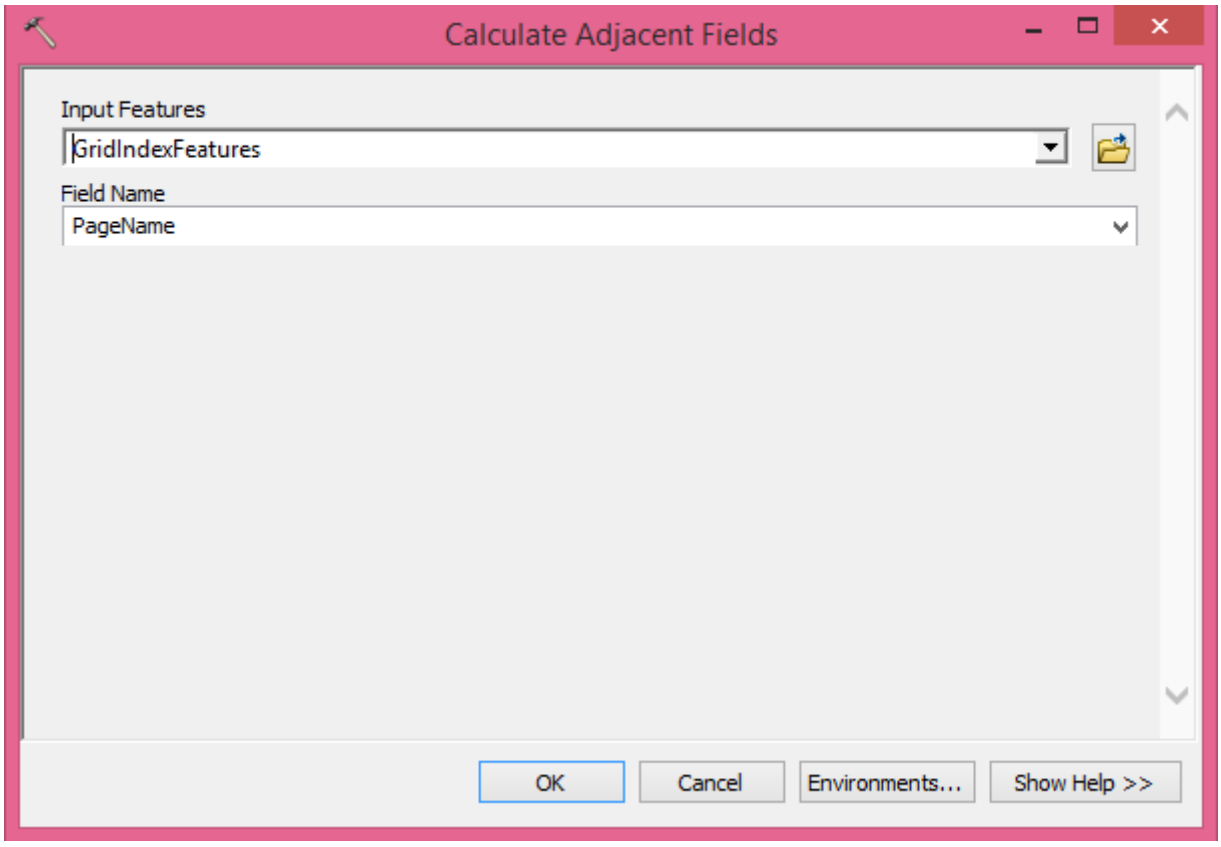
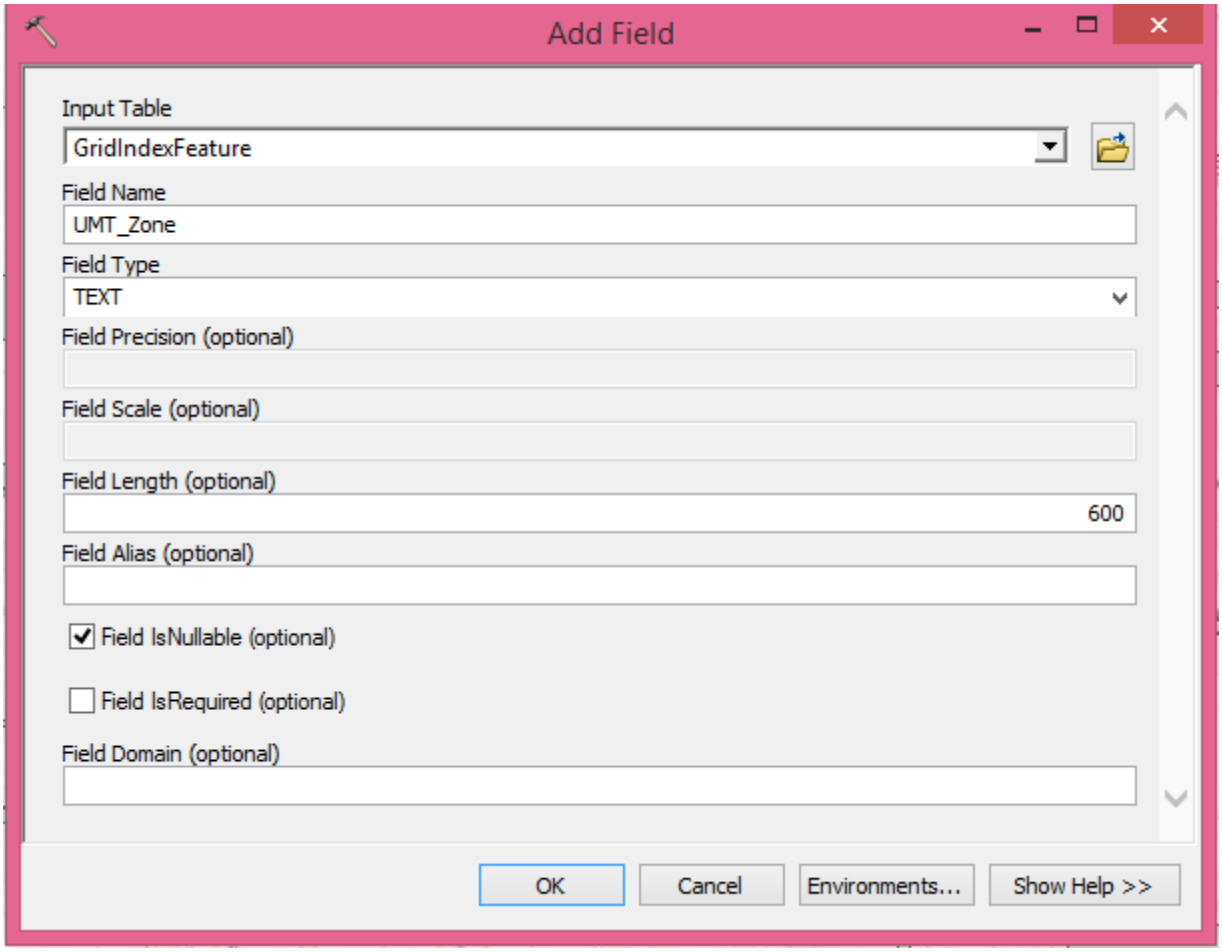
Flatonia
Baca Loop
US-90
Stryk Rd
Farek-Loth Rd
Klekar-Gin Rd
Kainer Rd
Hermis Rd
Seidel Rd
Weimeyer Rd
Darilek Rd
W County Line Rd
FAYETTE
LAVACA
Road
1016740.557 3001083.534 Meters


Calculate Adjacent Fields
Input Features
GridIndexFeatures
Field Name
PageName
OK
Cancel
Environments...
Show Help >>


Add Field
Input Table
GridIndexFeature
Field Name
UMT_Zone
Field Type
TEXT
Field Precision (optional)
Field Scale (optional)
Field Length (optional)
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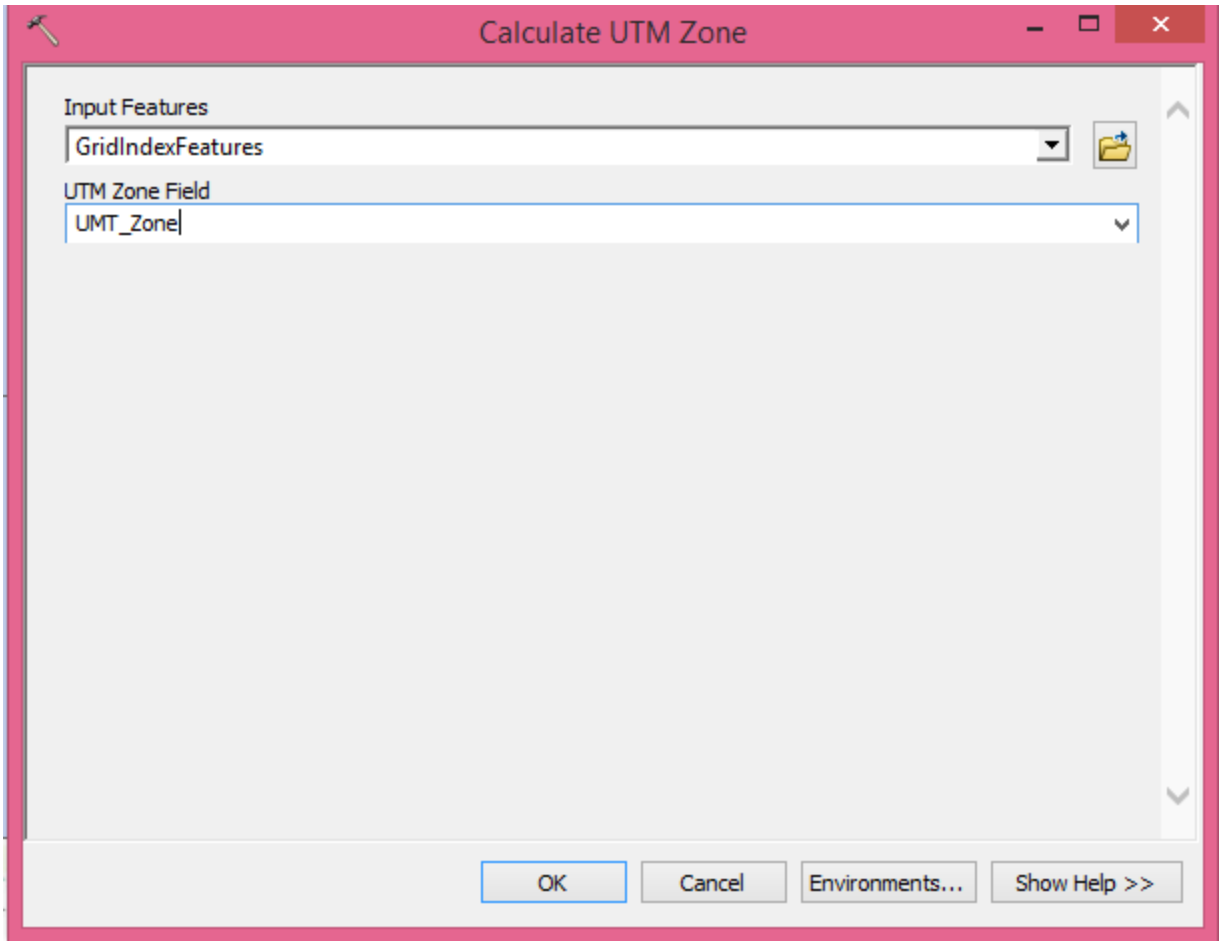
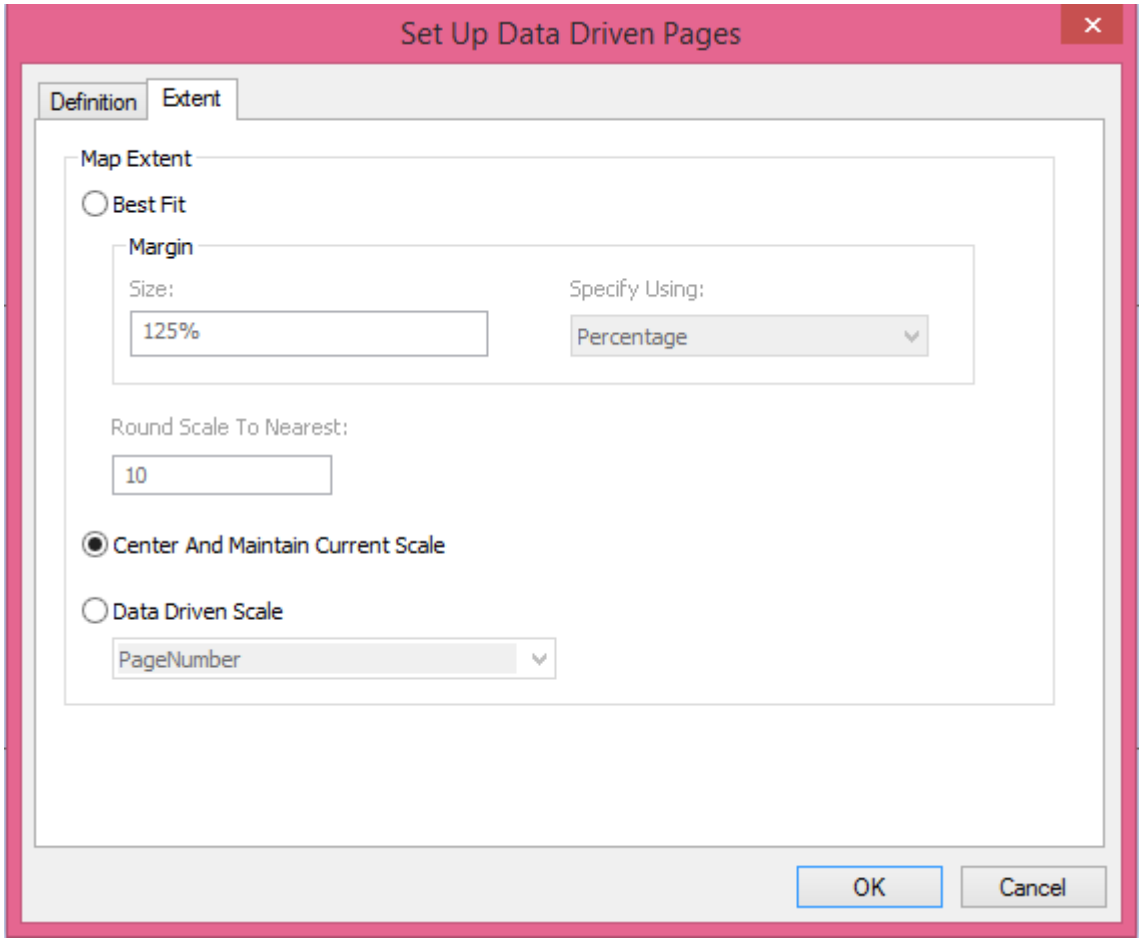
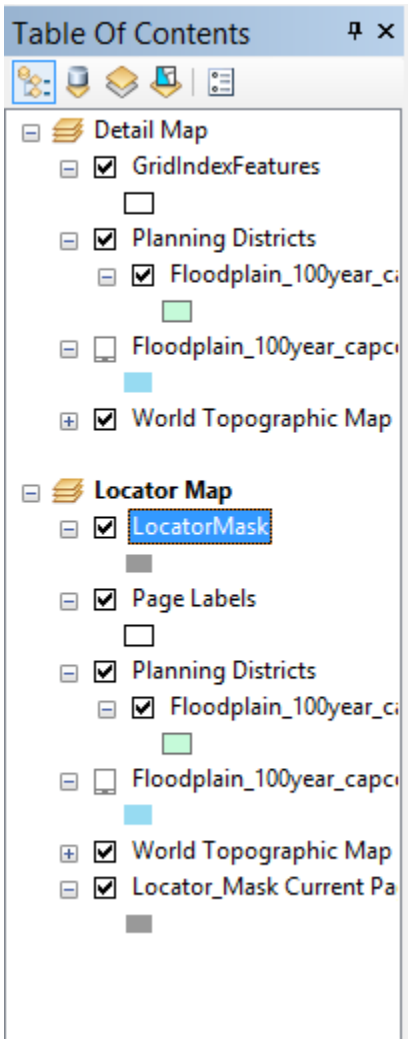
Field Alias (optional)
Field IsNullable (optional)
Field IsRequired (optional)
Field Domain (optional)
OK
Cancel
Environments...
Show Help >>


Calculate UTM Zone
Input Features
GridIndexFeatures
UTM Zone Field
UMT_Zone
OK
Cancel
Environments...
Show Help >>


Set Up Data Driven Pages
Definition
Extent
Map Extent
Best Fit
Margin
Size:
125%
Specify Using:
Percentage
Round Scale To Nearest:
10
Center And Maintain Current Scale
Data Driven Scale
PageNumber
OK
Cancel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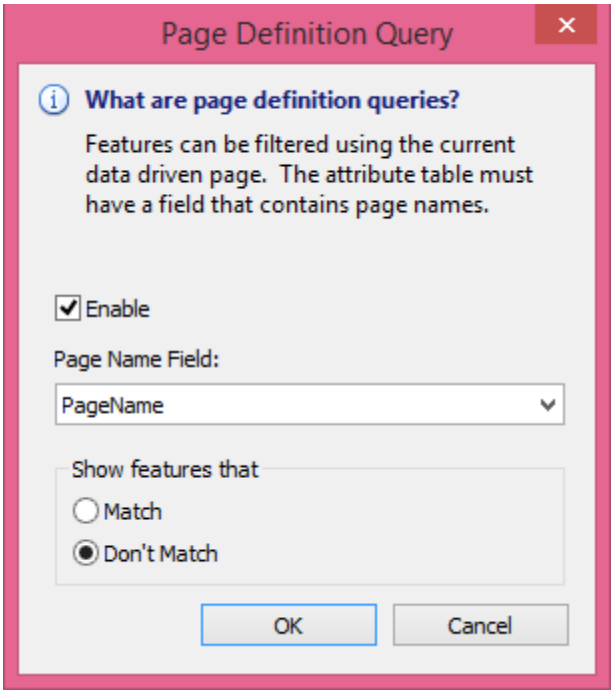
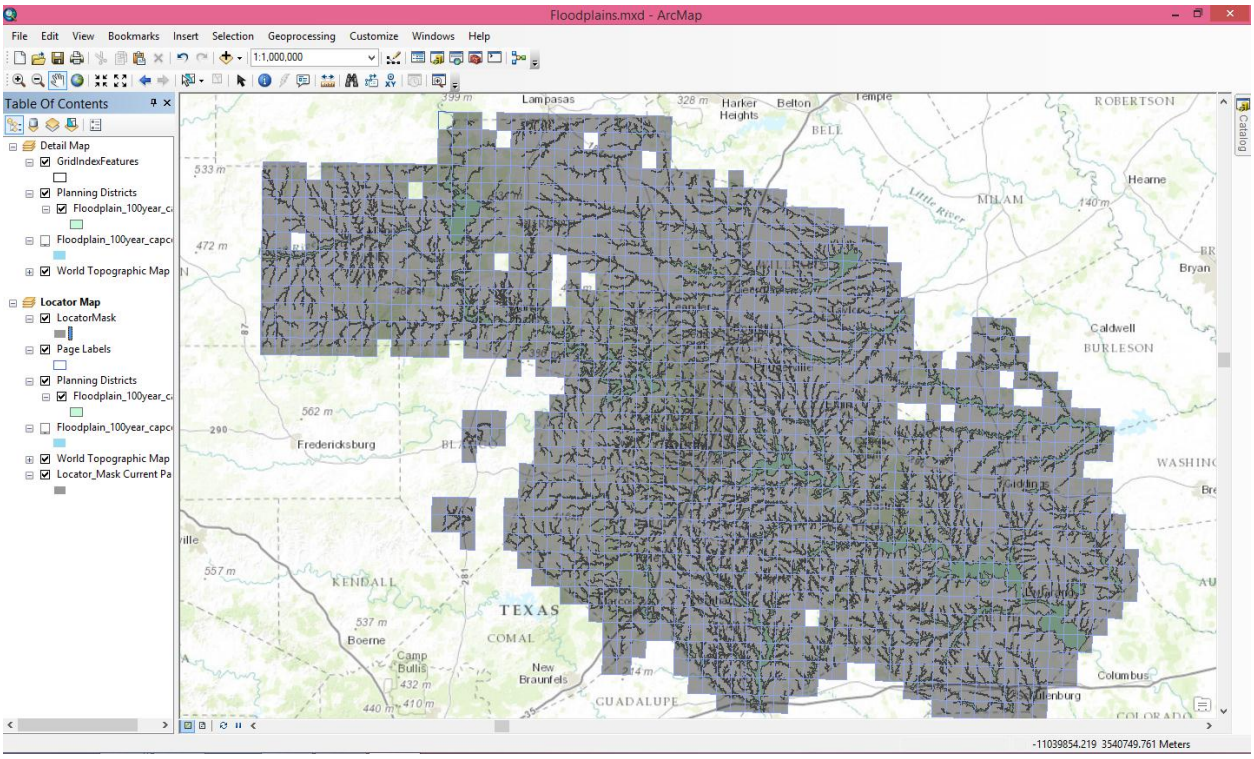
Floodplain_100year_capc
World Topographic Map
Locator Map
LocatorMask
Page Labels
Planning Districts
Floodplain_100year_c
Floodplain_100year_capc
World Topographic Map
Locator_Mask Current Pa


Page Definition Query
What are page definition queries?
Features can be filtered using the current data driven page. The attribute table must have a field that contains page names.
Enable
Page Name Field:
PageName
Show features that
Match
Don't Match
OK
Cancel


Floodplains.mxd - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
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LocatorMask
Page Labels
Planning Districts
Floodplain_100year_c
Floodplain_100year_capc
World Topographic Map
Locator_Mask Current Pa
Lampasas
Harker Heights
Belton
Temple
ROBERTSON
Hearne
MILAM
Bryan
Caldwell
BURLESON
Fredericksburg
KENDALL
TEXAS
COMAL
Boerne
Camp Bullis
New Braunfels
GUADALUPE
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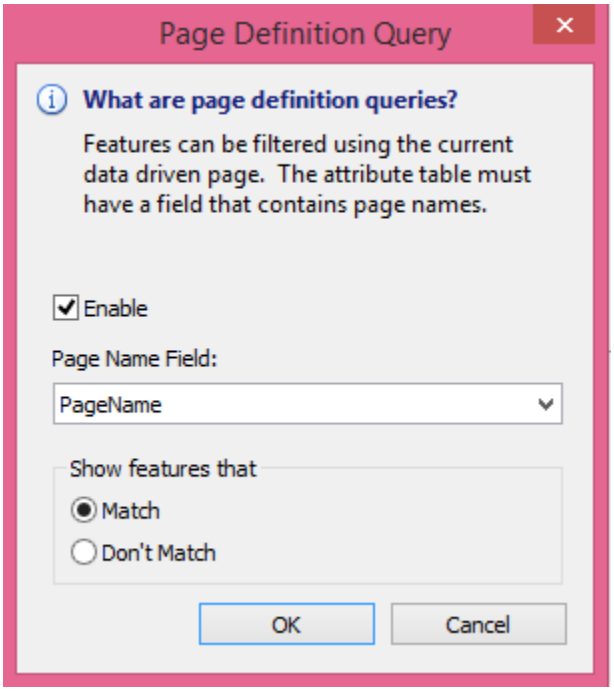
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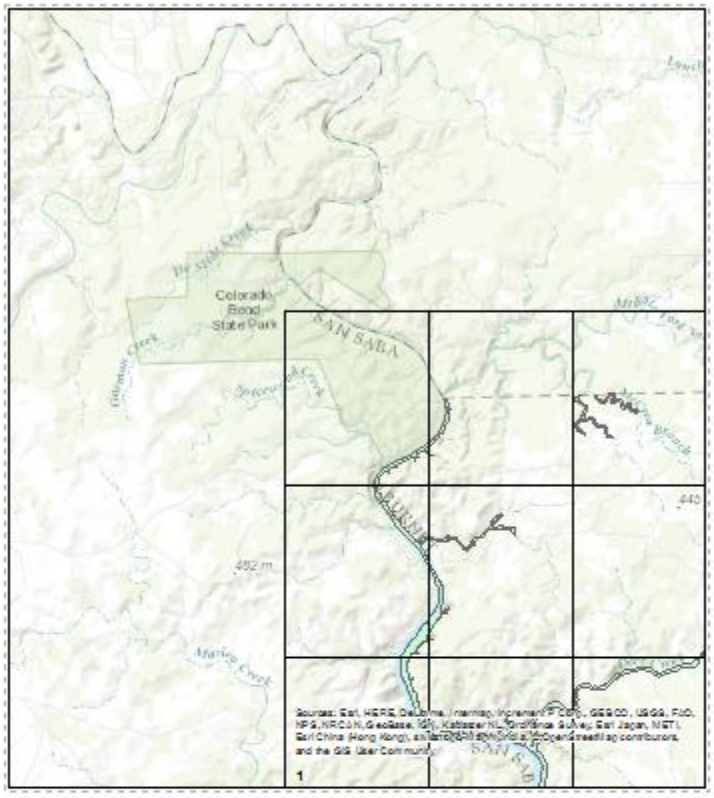
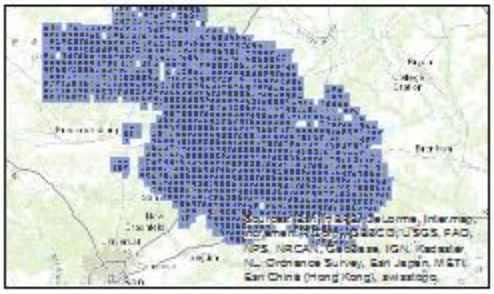
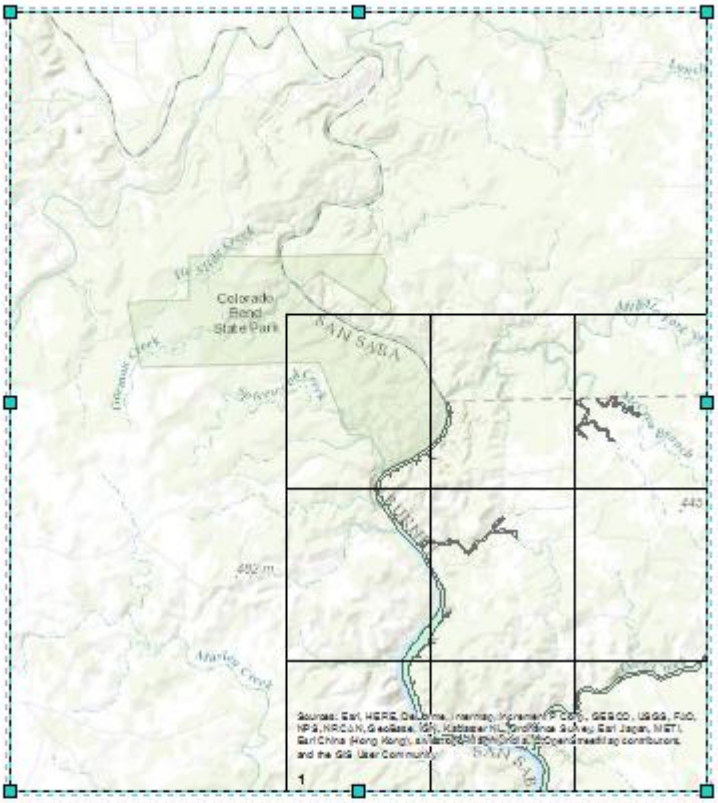
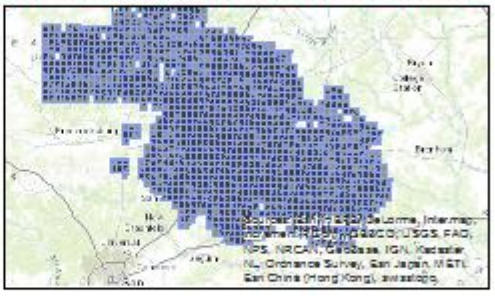
Enable
Page Name Field:
PageName
Show features that
Match
Don't Match
OK
Cancel


Colorado
Flood
State Park
SAN SABA
Spicer Creek
Maring Creek
492 m
Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community
1

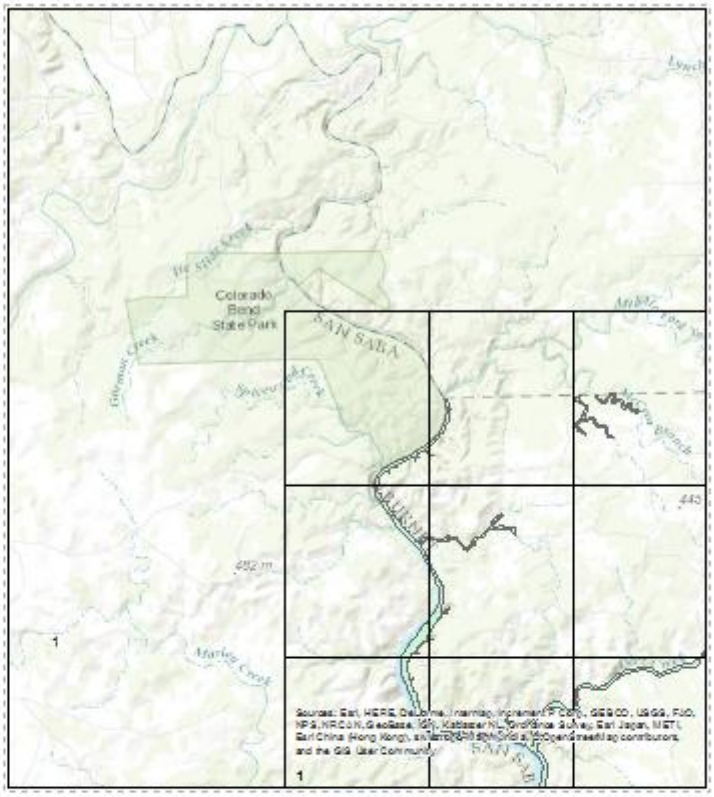

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo,





0 0.5 1 2 3 4 Miles

0 0.375 0.75 1.5 2.25 3 Miles

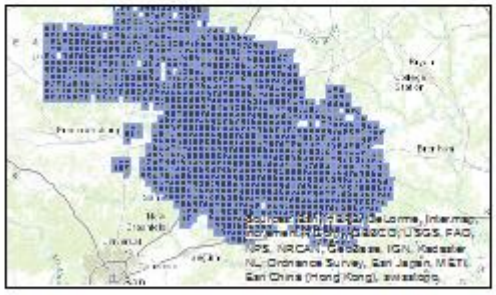


1

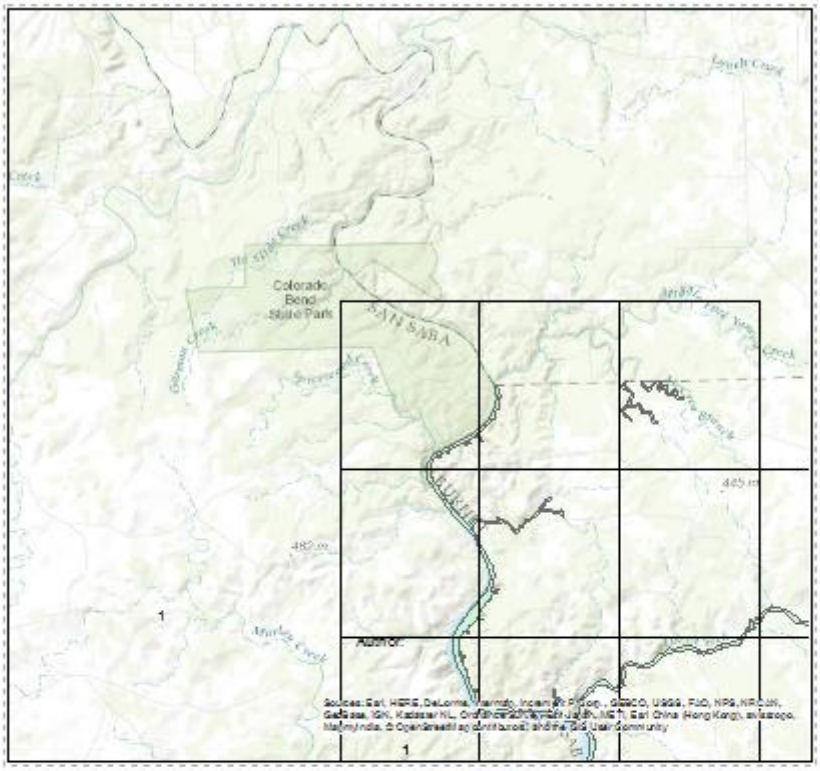
0 0.5 1 2 3 4 Miles

0 0.375 0.75 1.5 2.25 3 Miles

N



Floodplain Map for Lower Colorado River Planning District.



1 Page 1 of 1242

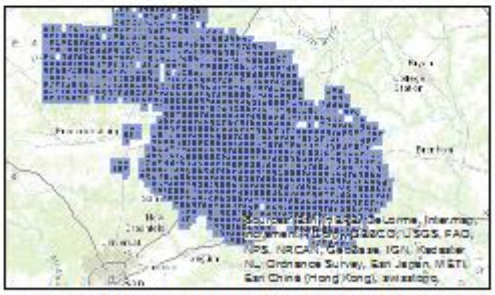
0 0.5 1 2 3 4 Miles

Miles
0 0.4 0.8 1.6 2.4 3.2

N

User Name: Hari OM

Date Saved: 06-12-2015 21:03:47



Coordinate System: NAD 1983 StatePlane Texas Central FIPS 4203 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 2,296,583.3333
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Standard Parallel 2: 31.8833
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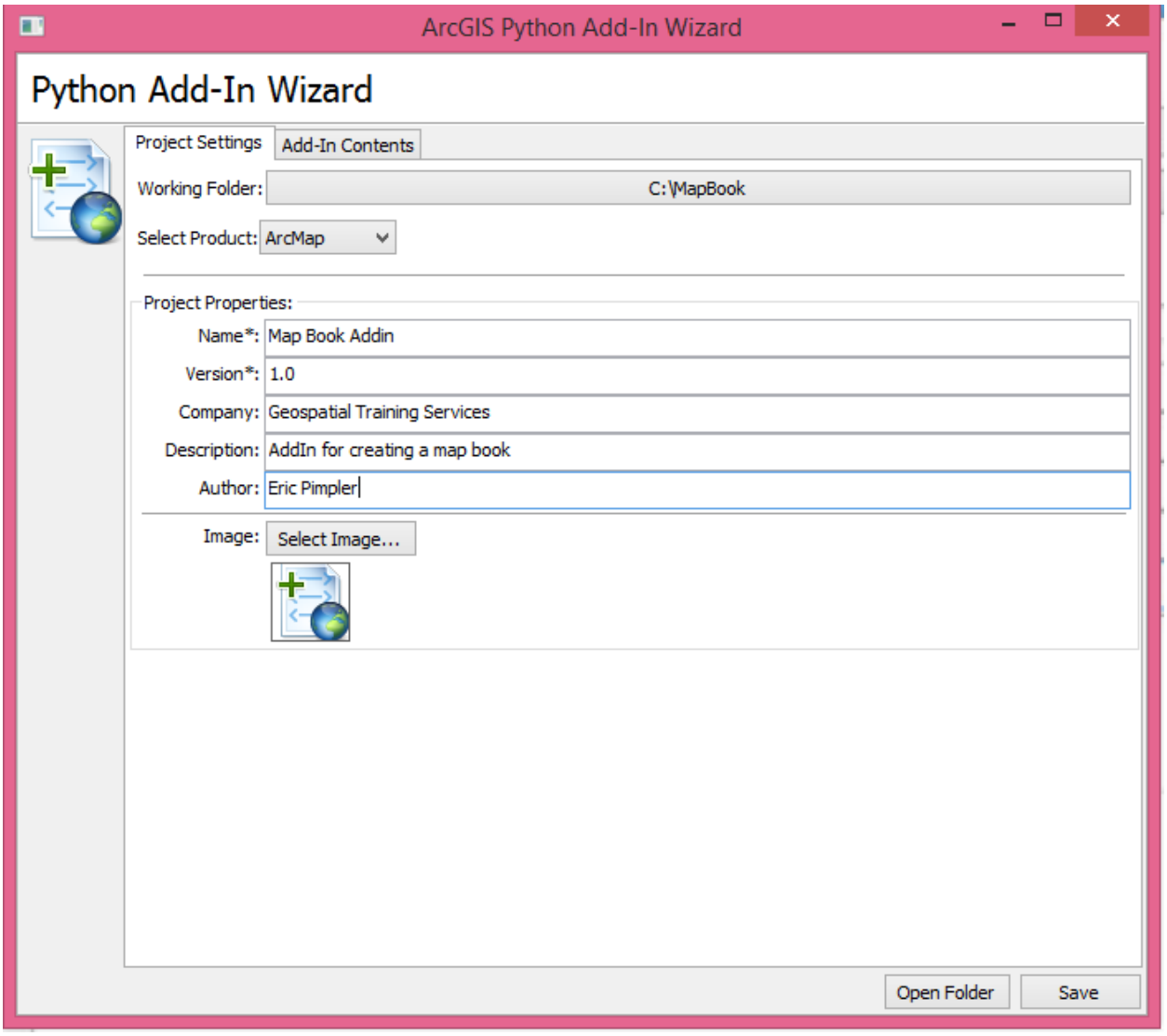
Units: Foot US


ArcGIS Python Add-In Wizard
Python Add-In Wizard
Project Settings
Add-In Contents
Working Folder:
C:\MapBook
Select Product:
ArcMap
Project Properties:
Name*:
Map Book Addin
Version*:
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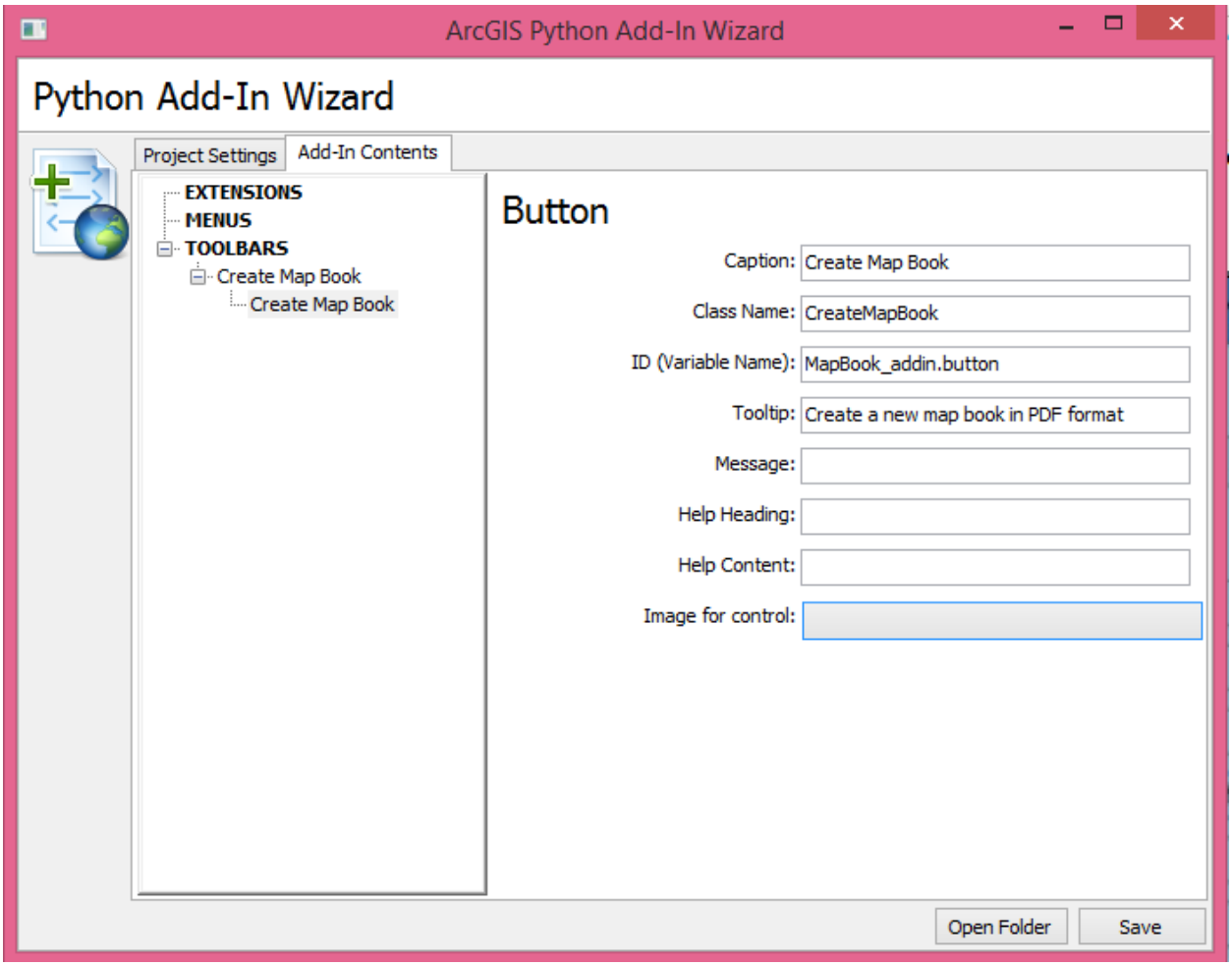
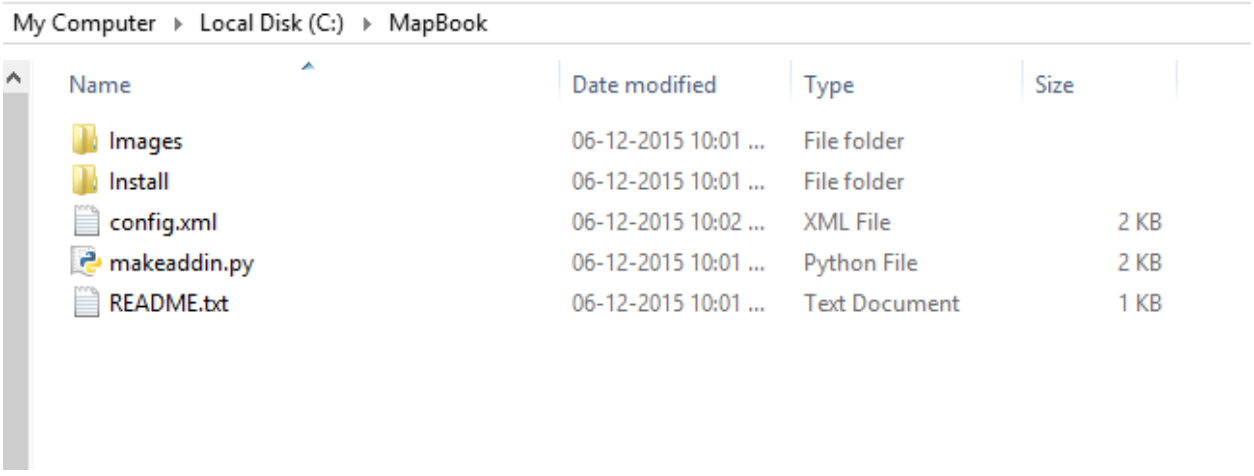
Company:
Geospatial Training Services
Description:
AddIn for creating a map book
Author:
Eric Pimpler
Image:
Select Image...
Open Folder
Save


ArcGIS Python Add-In Wizard
Python Add-In Wizard
Project Settings
Add-In Contents
EXTENSIONS
MENUS
TOOLBARS
Create Map Book
Create Map Book
Button
Caption: Create Map Book
Class Name: CreateMapBook
ID (Variable Name): MapBook_addin.button
Tooltip: Create a new map book in PDF format
Message:
Help Heading:
Help Content:
Image for control:
Open Folder
Save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Date modified
Type
Size
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Install 06-12-2015 10:01 ... File folder
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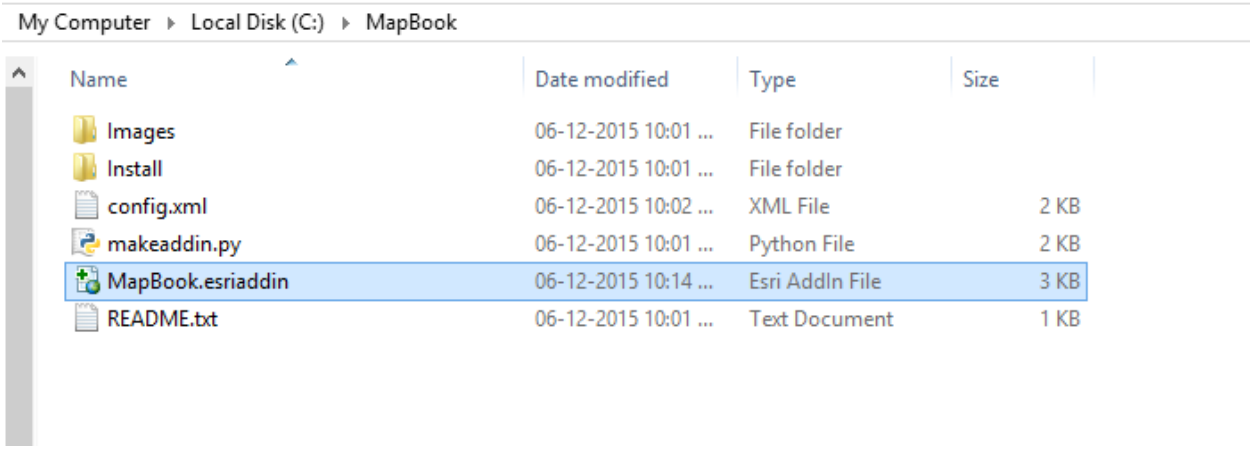
makeaddin.py 06-12-2015 10:01 ... Python File 2 KB
README.txt 06-12-2015 10:01 ... Text Document 1 KB


My Computer ▸ Local Disk (C:) ▸ MapBook
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3 KB
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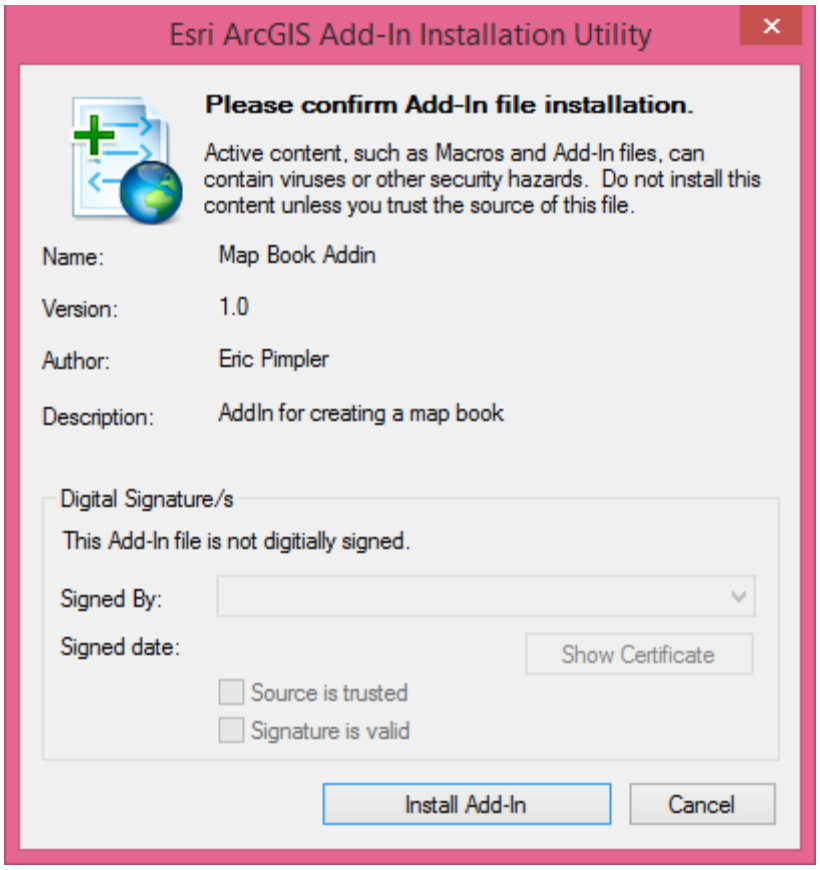
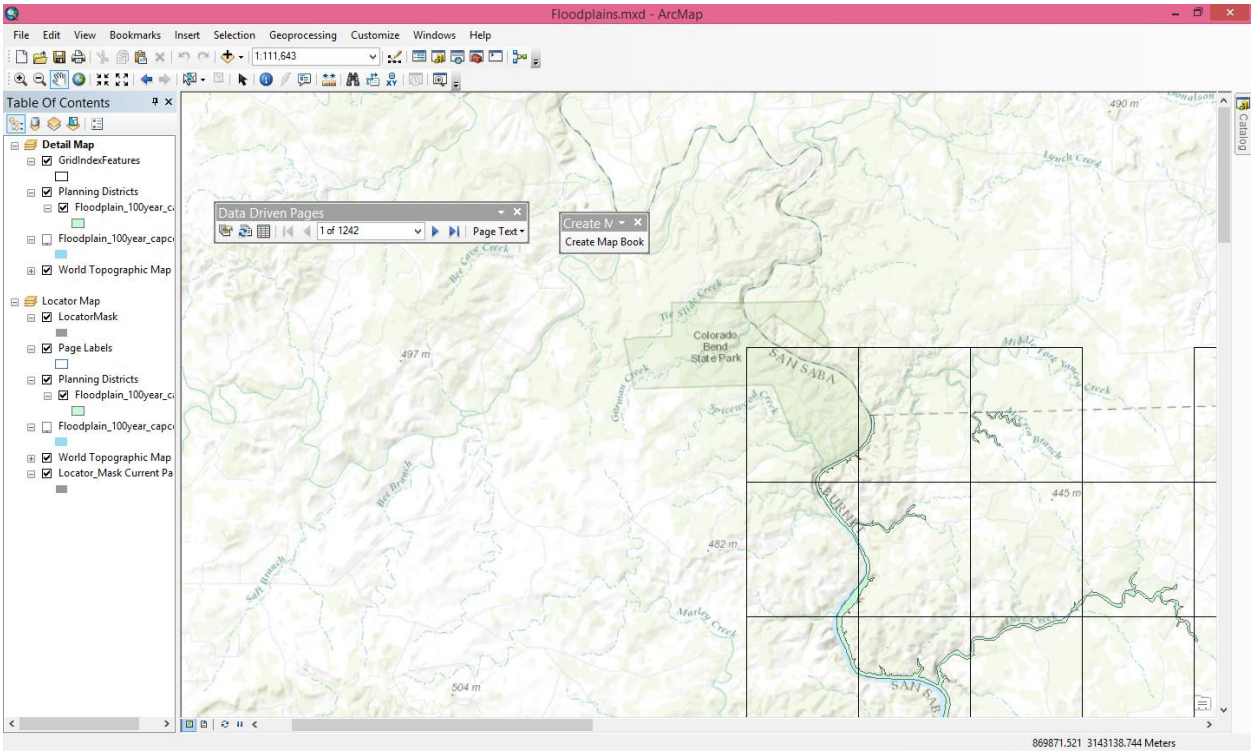
06-12-2015 10:01 ...
Text Document
1 KB


Esri ArcGIS Add-In Installation Utility
Please confirm Add-In file installation.
Active content, such as Macros and Add-In files, can contain viruses or other security hazards. Do not install this content unless you trust the source of this file.
Name:
Map Book Addin
Version:
1.0
Author:
Eric Pimpler
Description:
AddIn for creating a map book
Digital Signature/s
This Add-In file is not digitially signed.
Signed By:
Signed date:
Show Certificate
Source is trusted
Signature is valid
Install Add-In
Cancel


Floodplains.mxd - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
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Data Driven Pages
1 of 1242
Page Text
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Create Map Book
Colorado Bend State Park
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490 m
497 m
482 m
445 m
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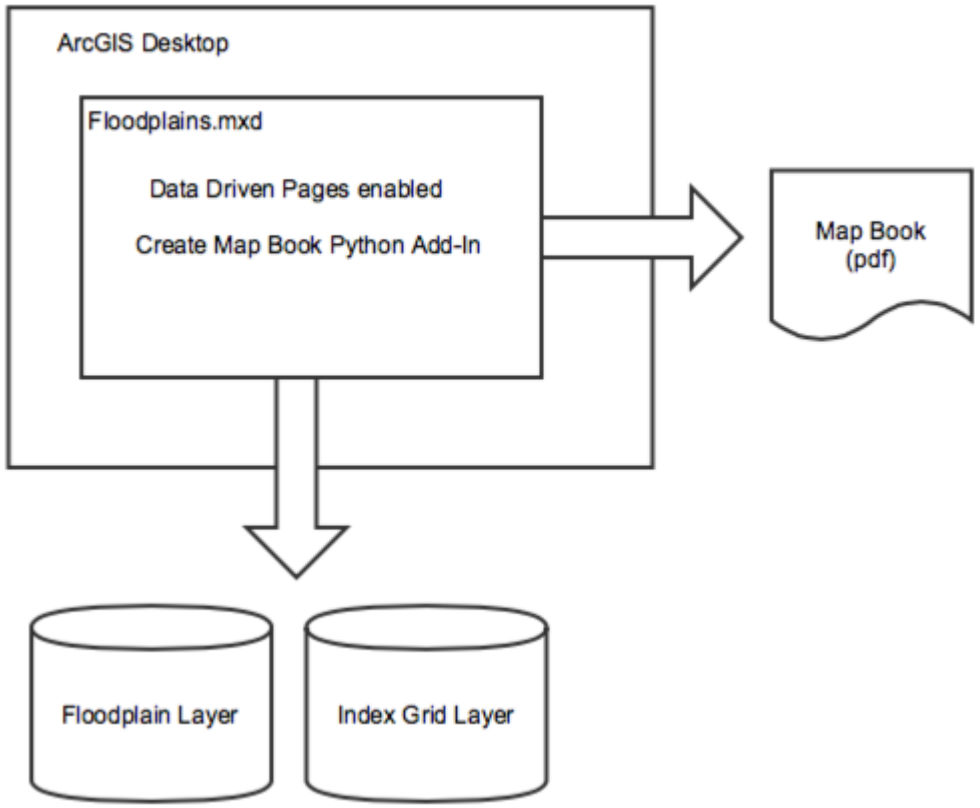
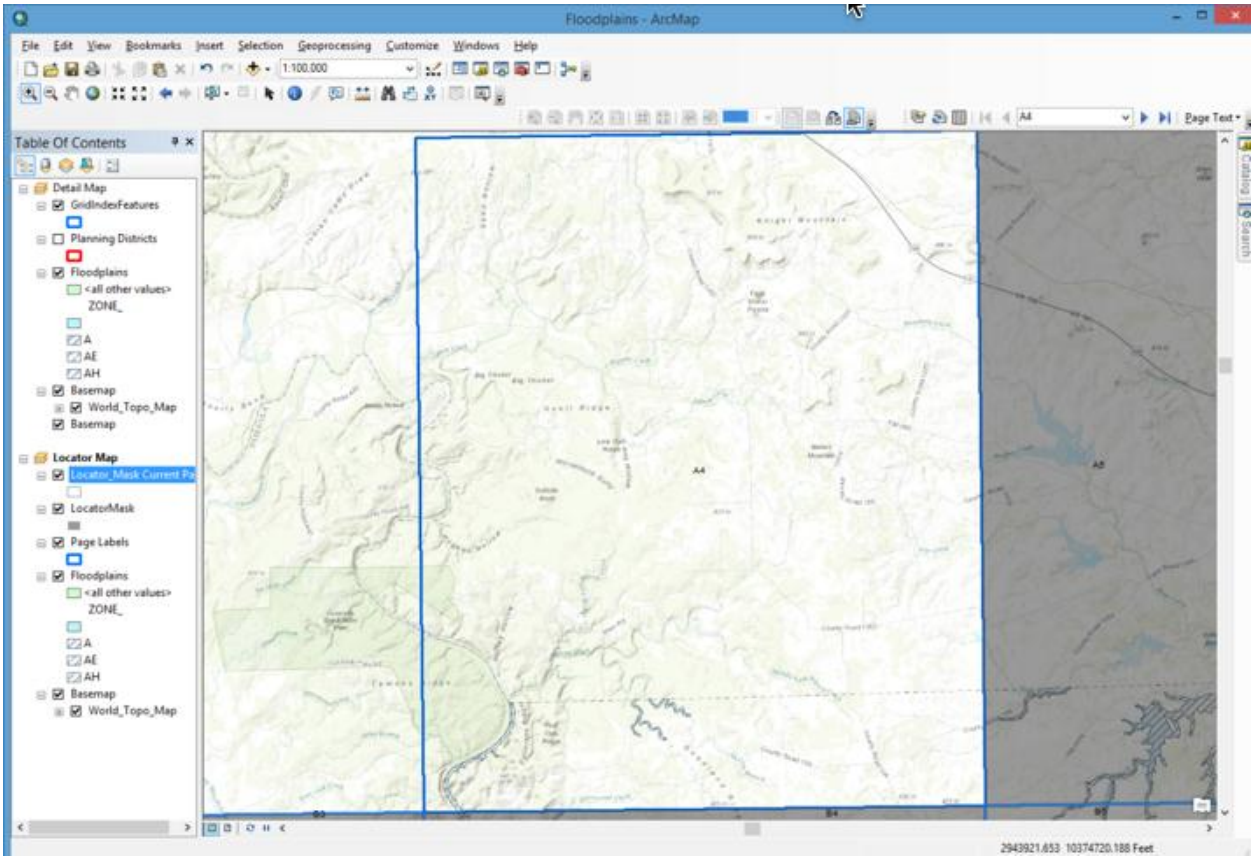

ArcGIS Desktop
Floodplains.mxd
Data Driven Pages enabled
Create Map Book Python Add-In
Map Book (pdf)
Floodplain Layer
Index Grid Layer


Floodplains - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
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Page Text
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Floodplains
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World_Topo_Map
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World_Topo_Map
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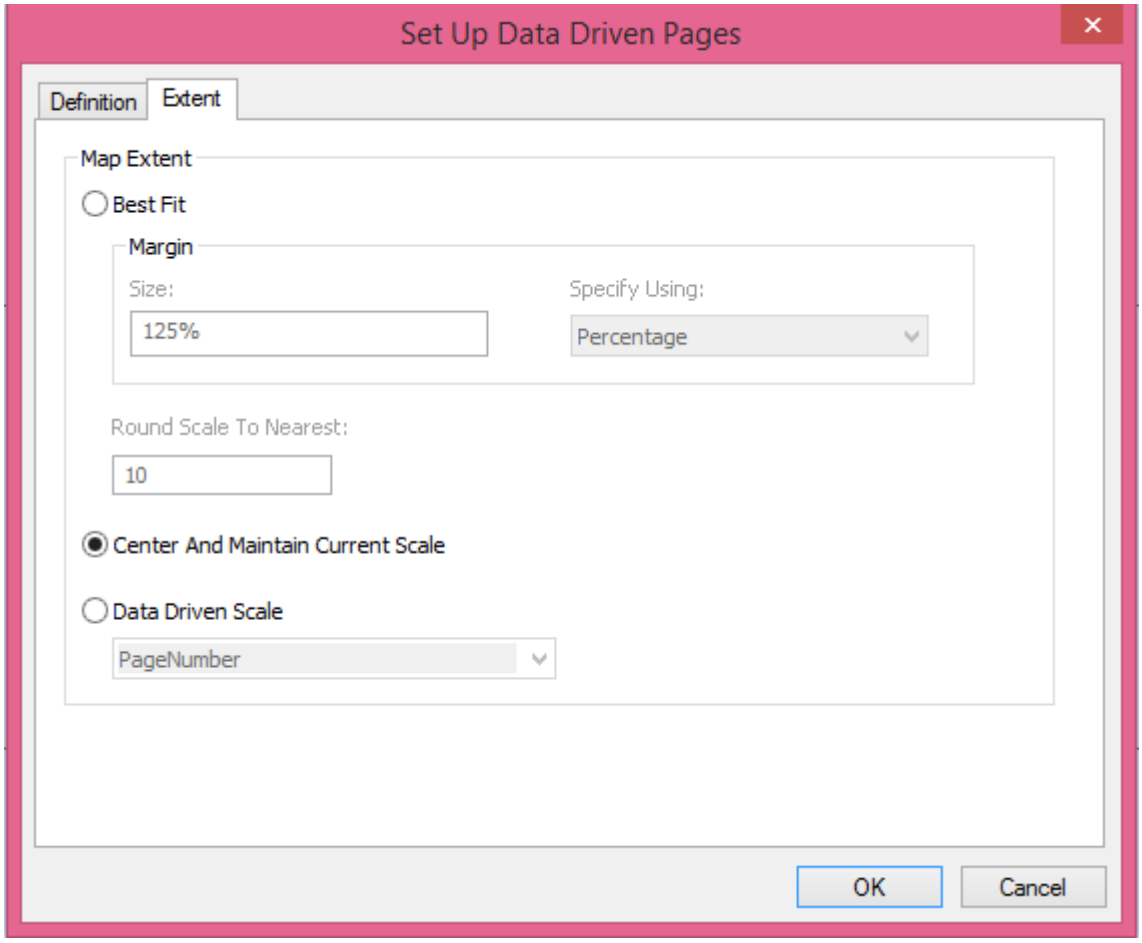
Set Up Data Driven Pages
Definition
Extent
Map Extent
Best Fit
Margin
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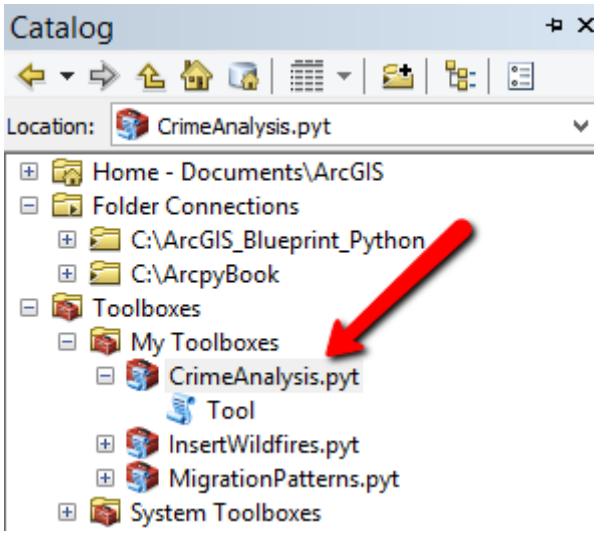
Percentage
Round Scale To Nearest:
10
Center And Maintain Current Scale
Data Driven Scale
PageNumber
OK
Cancel

Chapter 4


Catalog
Location:
CrimeAnalysis.pyt
Home - Documents\ArcGIS
Folder Connections
C:\ArcGIS_Blueprint_Python
C:\ArcpyBook
Toolboxes
My Toolboxes
CrimeAnalysis.pyt
Tool
InsertWildfires.pyt
MigrationPatterns.pyt
System Toolboxes

data.seattle.gov

City of Seattle Metrics Developers Data Policy Help **Sign Up**
Sign in to data.seattle.gov

Search

Categories

- City Business
- Community
- Education
- Finance
- Land Base
- Permitting
- Public Safety
- Transportation
- View Data Catalog
- Suggest Datasets

DEVELOPERS
Build something with public data.

1 APIs Join

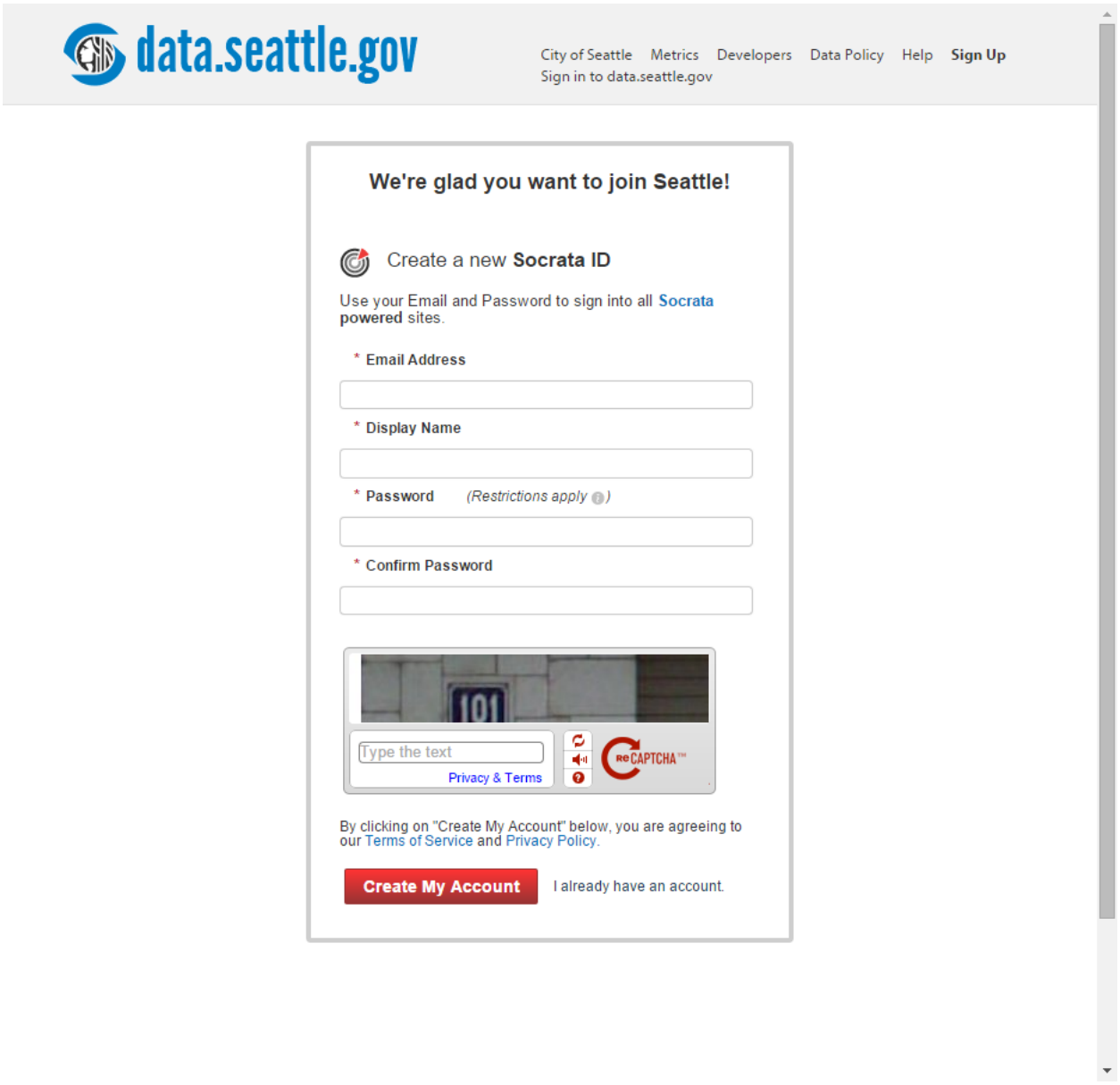
Seattle In Progress

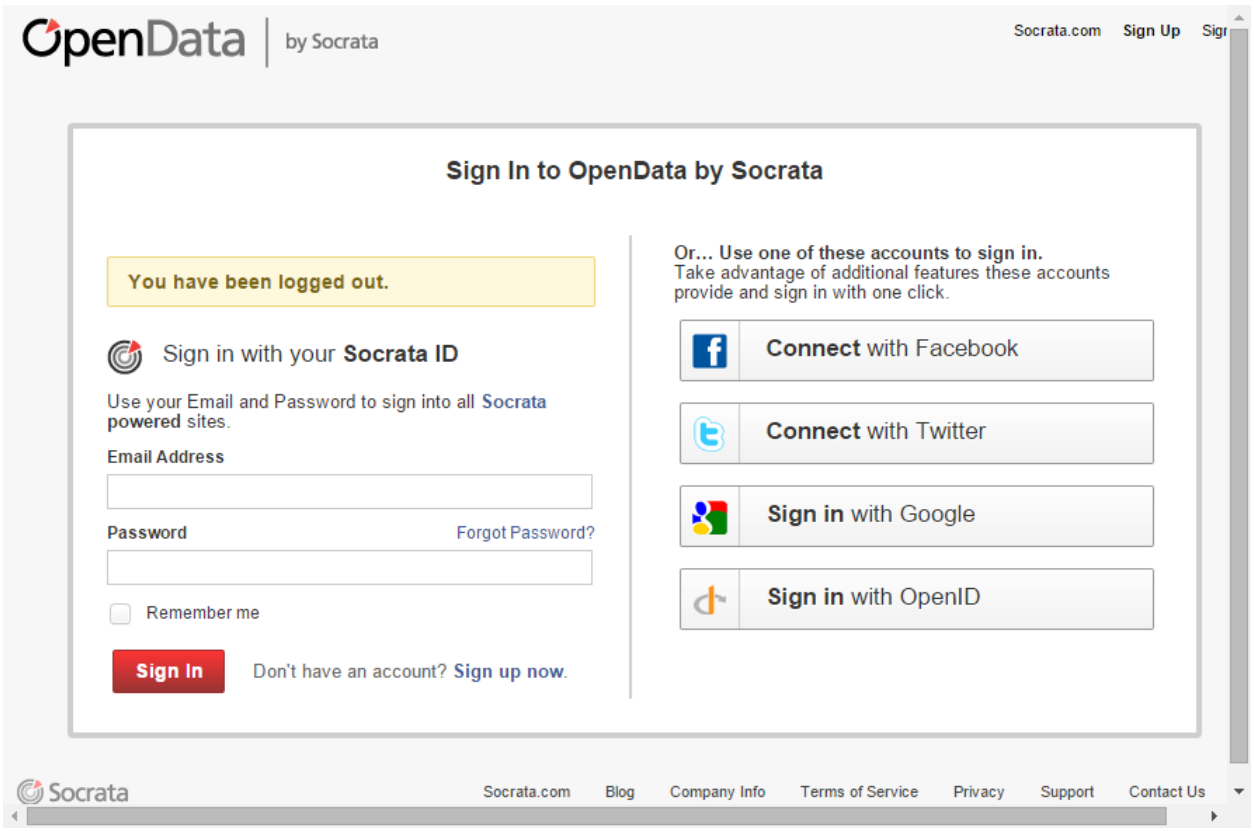
App

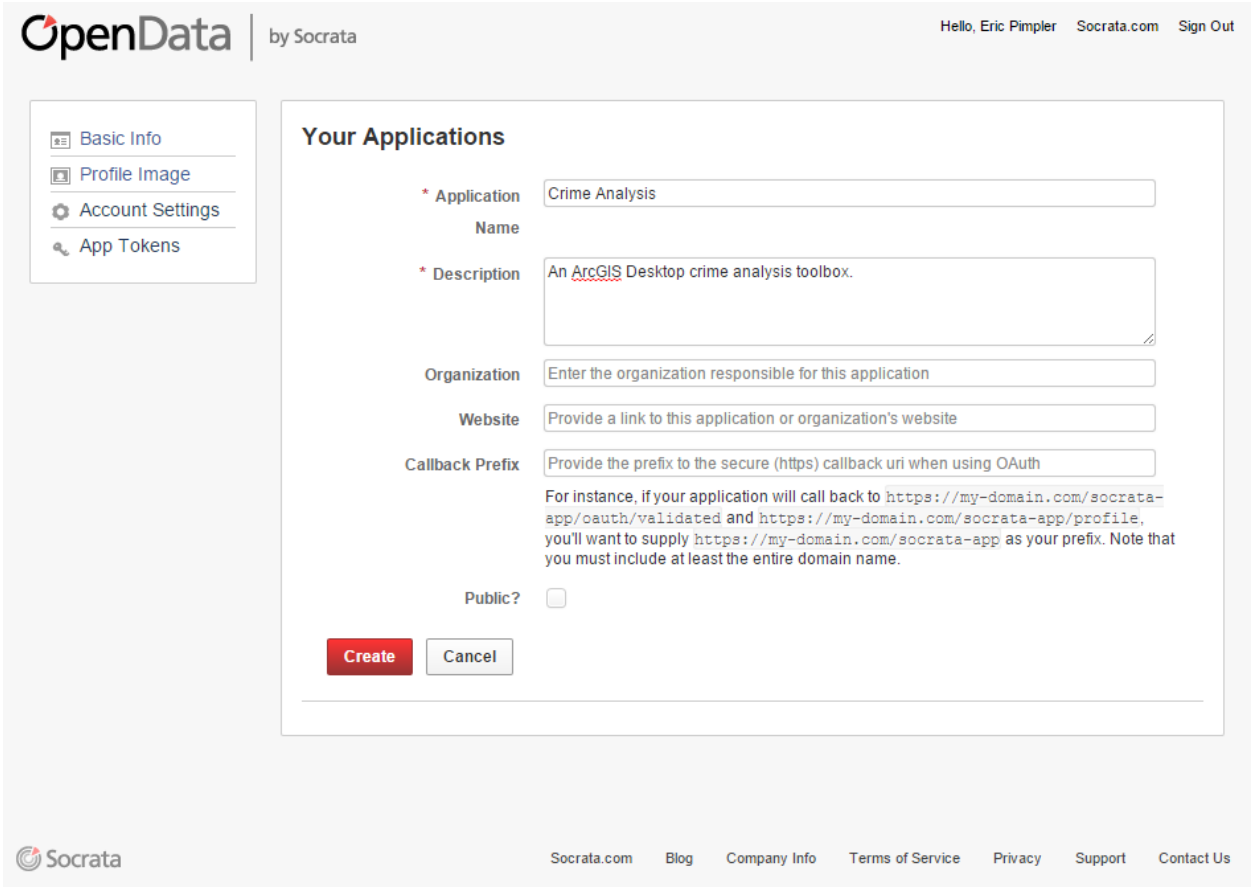
Seattle in Progress is a mobile web app for seeing what's being built in Seattle. Think of it as a modern alternative to the "notice of proposed land use" boards currently posted at construction sites. These signs, often covered in graffiti, offer minimal information about the development and no easy way to learn more, voice an opinion or hear what others are saying. Seattle in Progress aims to show how public notice should be done. This starts

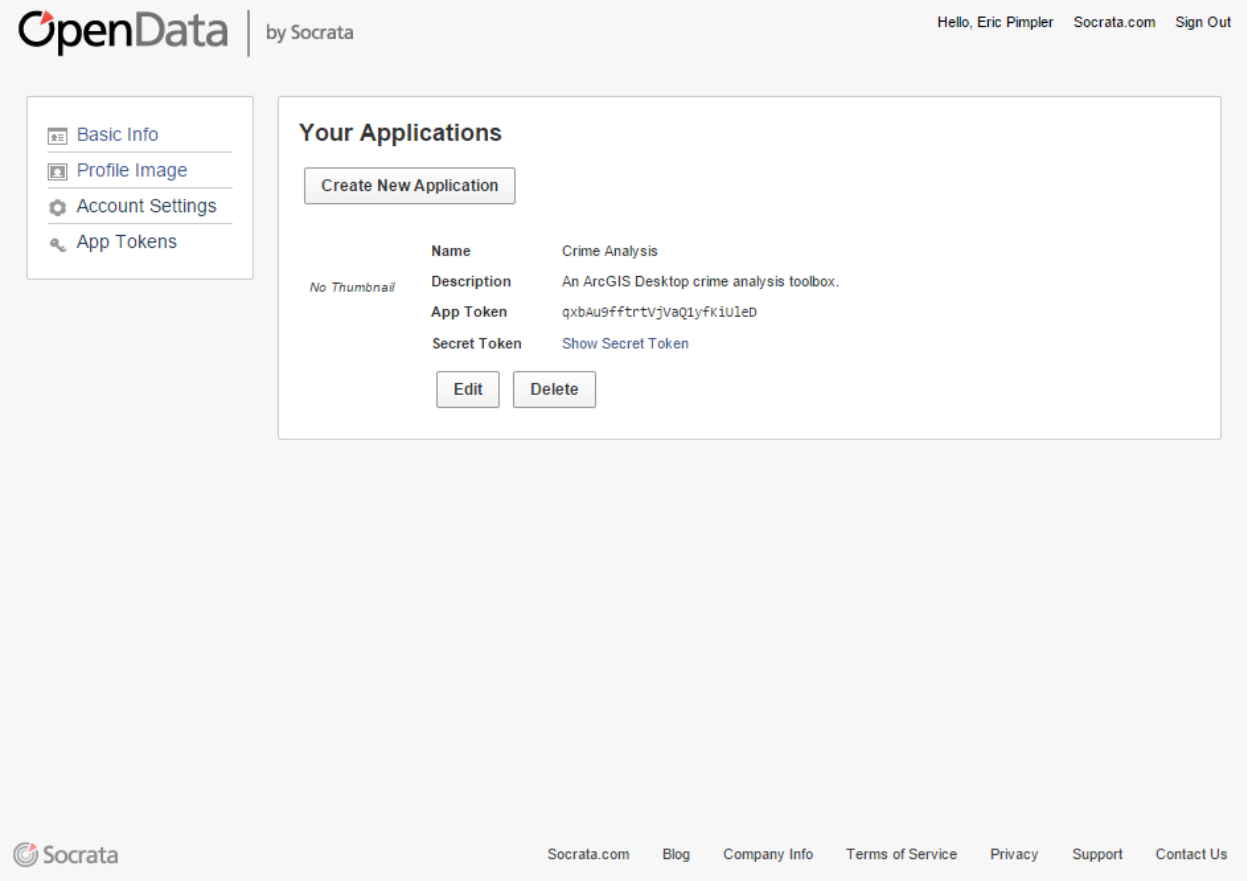
Take the Seattle Open Data Survey

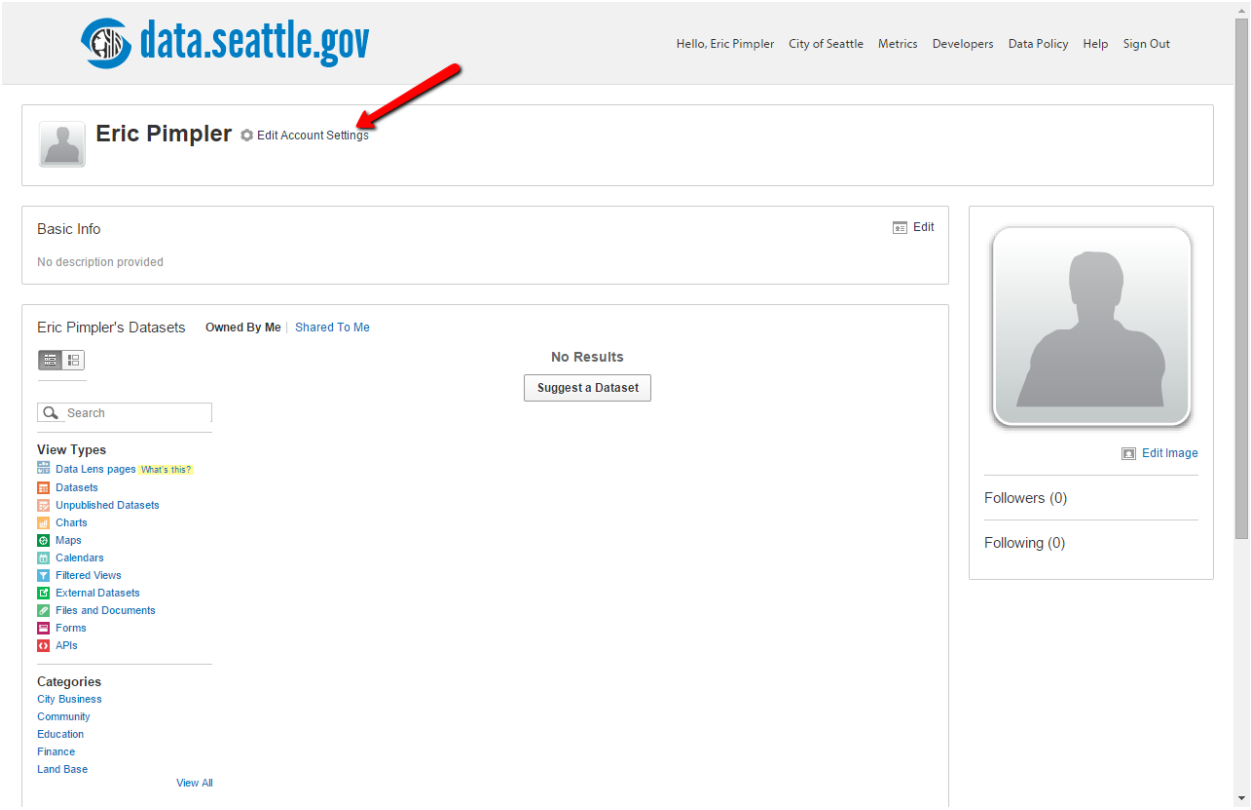
A team of graduate researchers at the University of Washington Information School is conducting a research study to learn more about who is using data.seattle.gov and how stakeholders are engaging with its

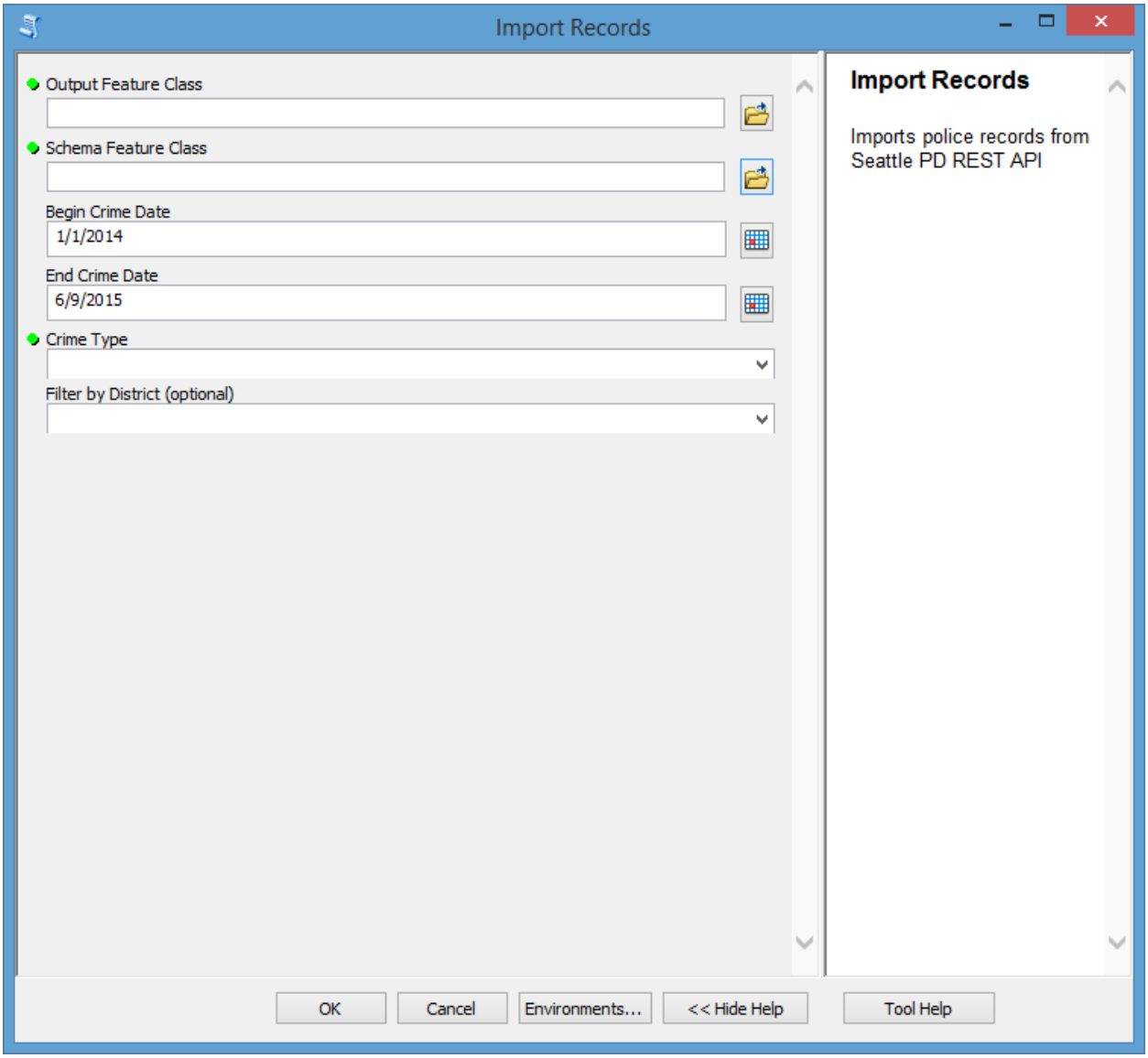

data.seattle.gov
City of Seattle
Metrics
Developers
Data Policy
Help
Sign Up
Sign in to data.seattle.gov
We're glad you want to join Seattle!
Create a new Socrata ID
Use your Email and Password to sign into all Socrata powered sites.
* Email Address
* Display Name
* Password
(Restrictions apply)
* Confirm Password
Type the text
Privacy & Terms
reCAPTCHA™
By clicking on "Create My Account" below, you are agreeing to our Terms of Service and Privacy Policy.
Create My Account
I already have an account.

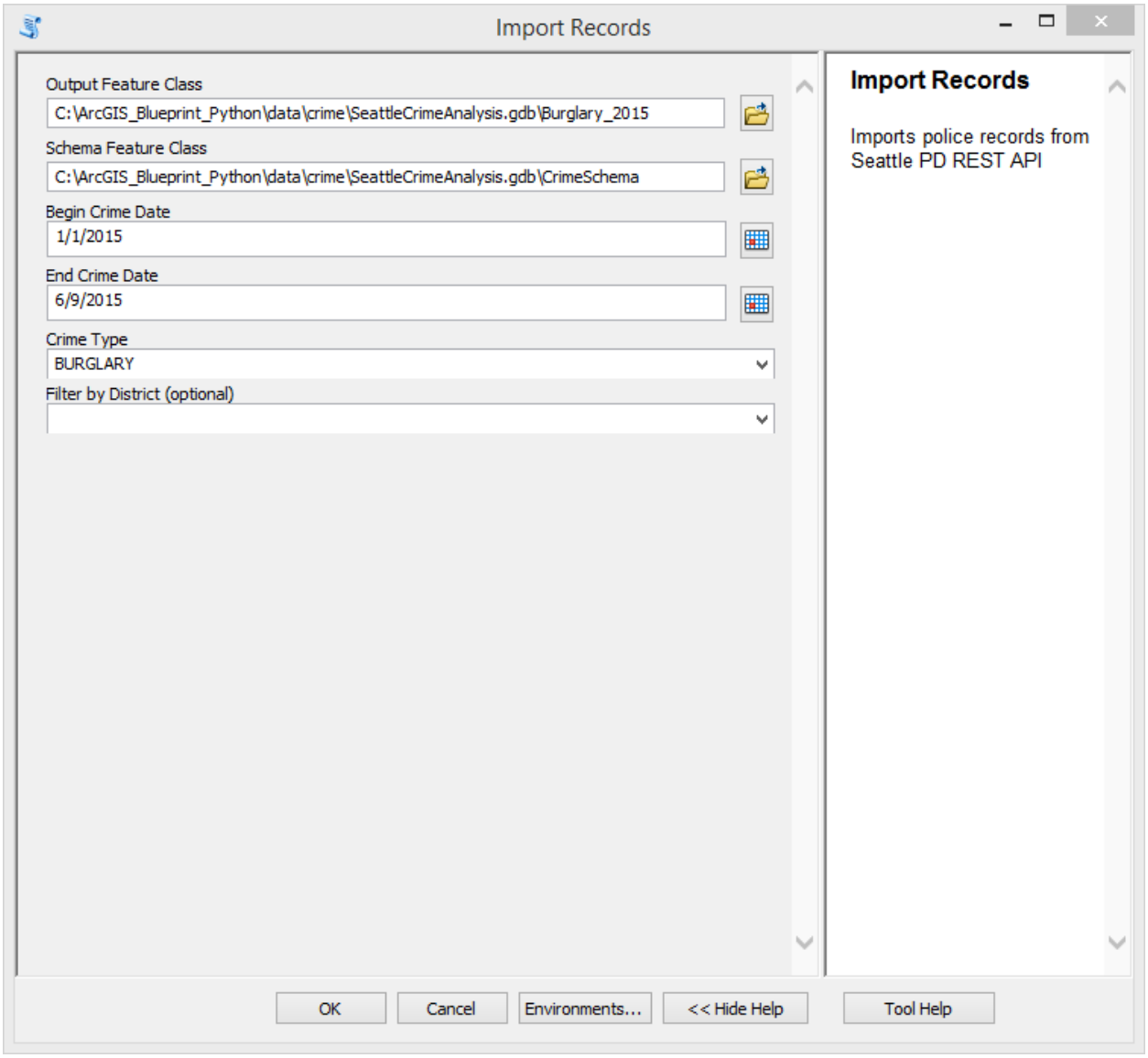

OpenData
by Socrata
Socrata.com
Sign Up
Sign In to OpenData by Socrata
You have been logged out.
Sign in with your Socrata ID
Use your Email and Password to sign into all Socrata powered sites.
Email Address
Password
Forgot Password?
Remember me
Sign In
Don't have an account? Sign up now.
Or... Use one of these accounts to sign in.
Take advantage of additional features these accounts provide and sign in with one click.
Connect with Facebook
Connect with Twitter
Sign in with Google
Sign in with OpenID
Socrata
Socrata.com
Blog
Company Info
Terms of Service
Privacy
Support
Contact Us

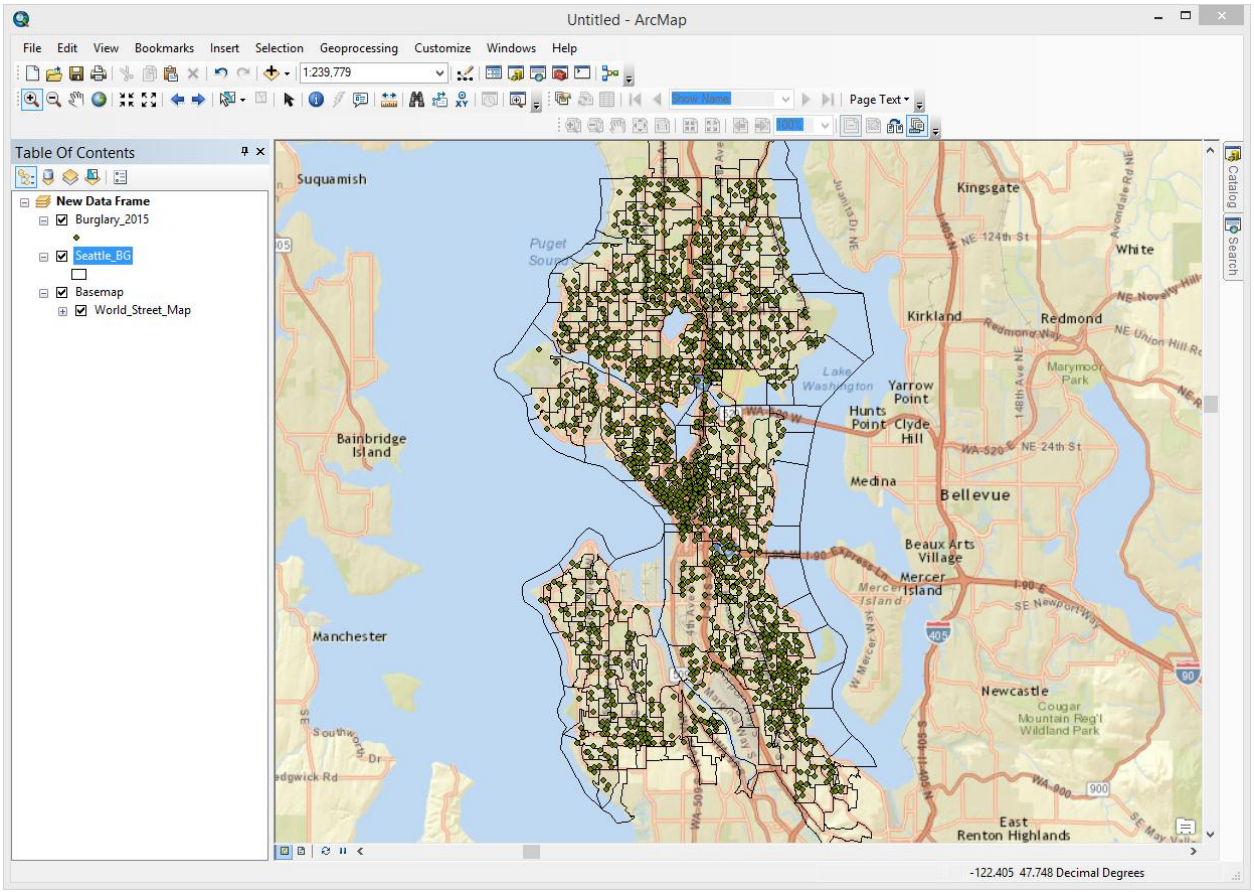

OpenData
by Socrata
Hello, Eric Pimpler
Socrata.com
Sign Out
Basic Info
Profile Image
Account Settings
App Tokens
Your Applications
* Application Name
Crime Analysis
* Description
An ArcGIS Desktop crime analysis toolbox.
Organization
Enter the organization responsible for this application
Website
Provide a link to this application or organization's website
Callback Prefix
Provide the prefix to the secure (https) callback uri when using OAuth
For instance, if your application will call back to https://my-domain.com/socrata-app/oauth/validated and https://my-domain.com/socrata-app/profile, you'll want to supply https://my-domain.com/socrata-app as your prefix. Note that you must include at least the entire domain name.
Public?
Create
Cancel
Socrata
Socrata.com
Blog
Company Info
Terms of Service
Privacy
Support
Contact Us

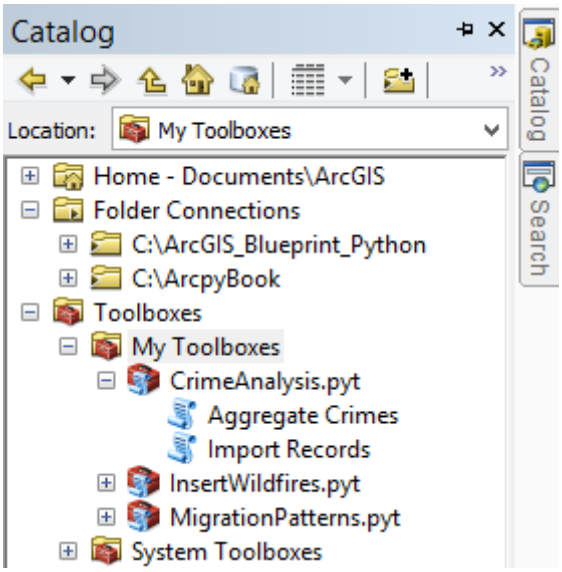

OpenData
by Socrata
Hello, Eric Pimpler
Socrata.com
Sign Out
Basic Info
Profile Image
Account Settings
App Tokens
Your Applications
Create New Application
No Thumbnail
Name
Crime Analysis
Description
An ArcGIS Desktop crime analysis toolbox.
App Token
qxbAu9fftrtVjVaQ1yfKiUleD
Secret Token
Show Secret Token
Edit
Delete
Socrata
Socrata.com
Blog
Company Info
Terms of Service
Privacy
Support
Contact Us

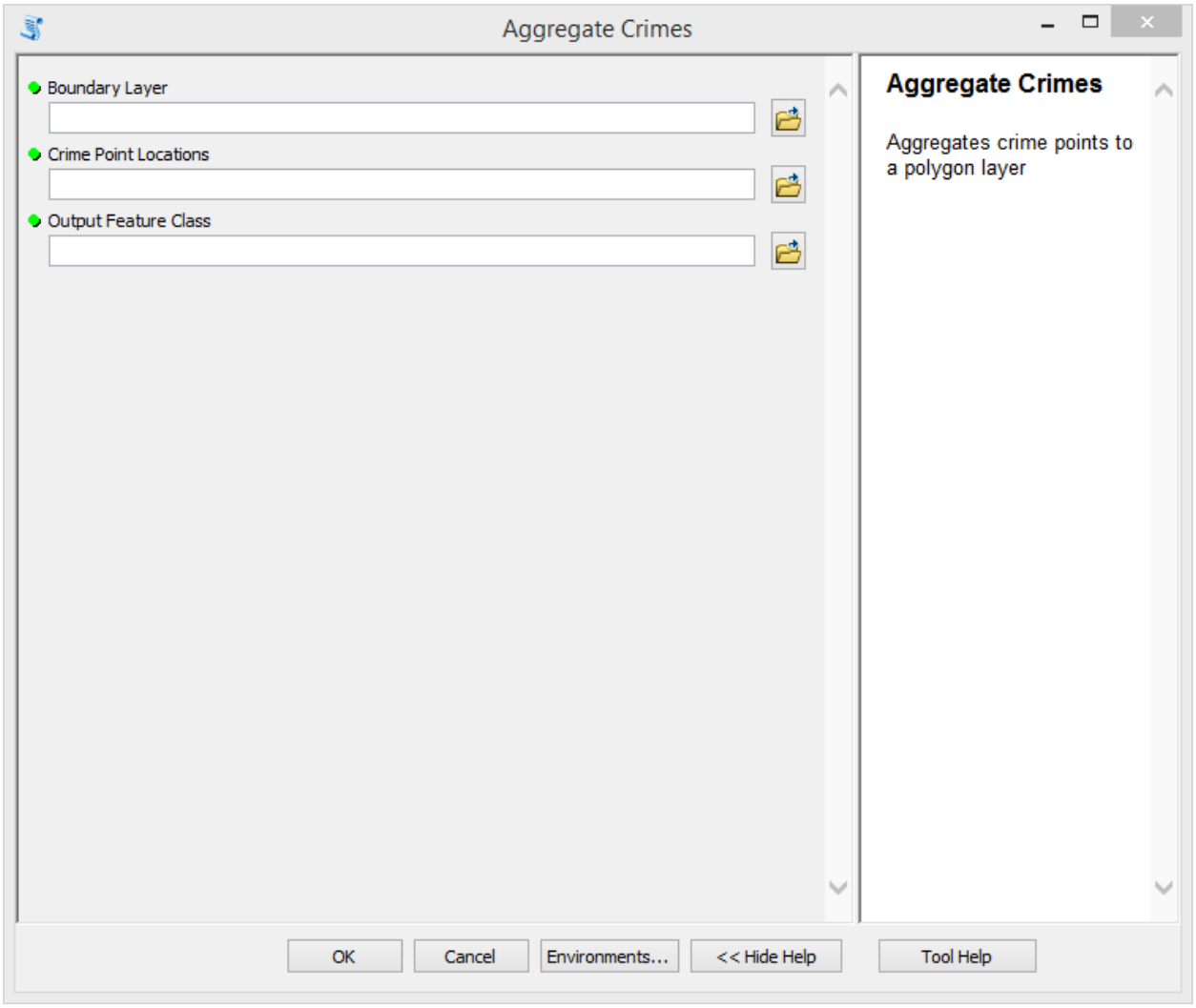

data.seattle.gov
Hello, Eric Pimpler
City of Seattle
Metrics
Developers
Data Policy
Help
Sign Out
Eric Pimpler
Edit Account Settings
Basic Info
Edit
No description provided
Eric Pimpler's Datasets
Owned By Me
Shared To Me
No Results
Suggest a Dataset
Search
View Types
Data Lens pages
What's this?
Datasets
Unpublished Datasets
Charts
Maps
Calendars
Filtered Views
External Datasets
Files and Documents
Forms
APIs
Categories
City Business
Community
Education
Finance
Land Base
View All
Edit Image
Followers (0)
Following (0)

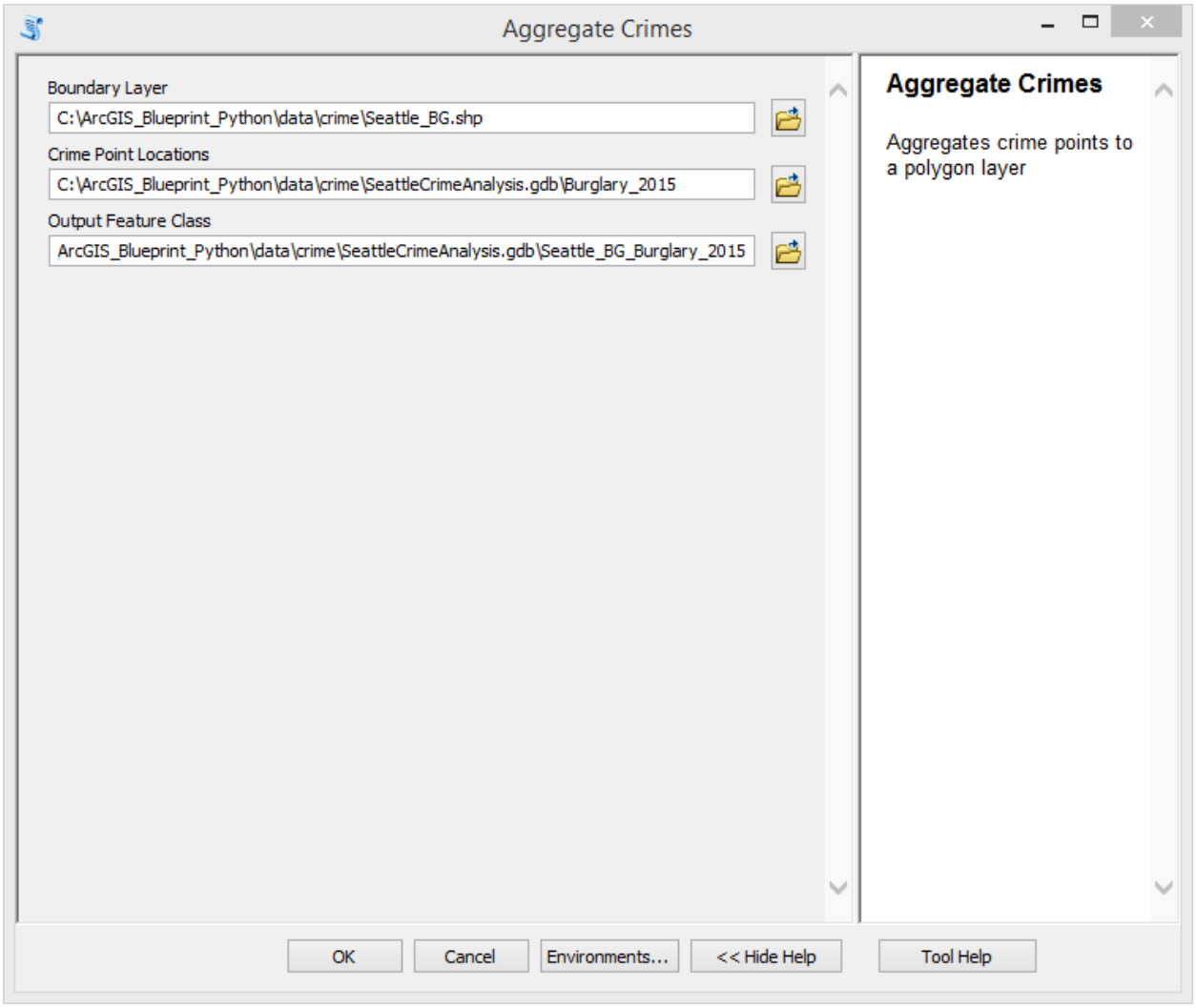

Import Records
Output Feature Class
Schema Feature Class
Begin Crime Date
1/1/2014
End Crime Date
6/9/2015
Crime Type
Filter by District (optional)
Import Records
Imports police records from Seattle PD REST API
OK
Cancel
Environments...
<< Hide Help
Tool Help

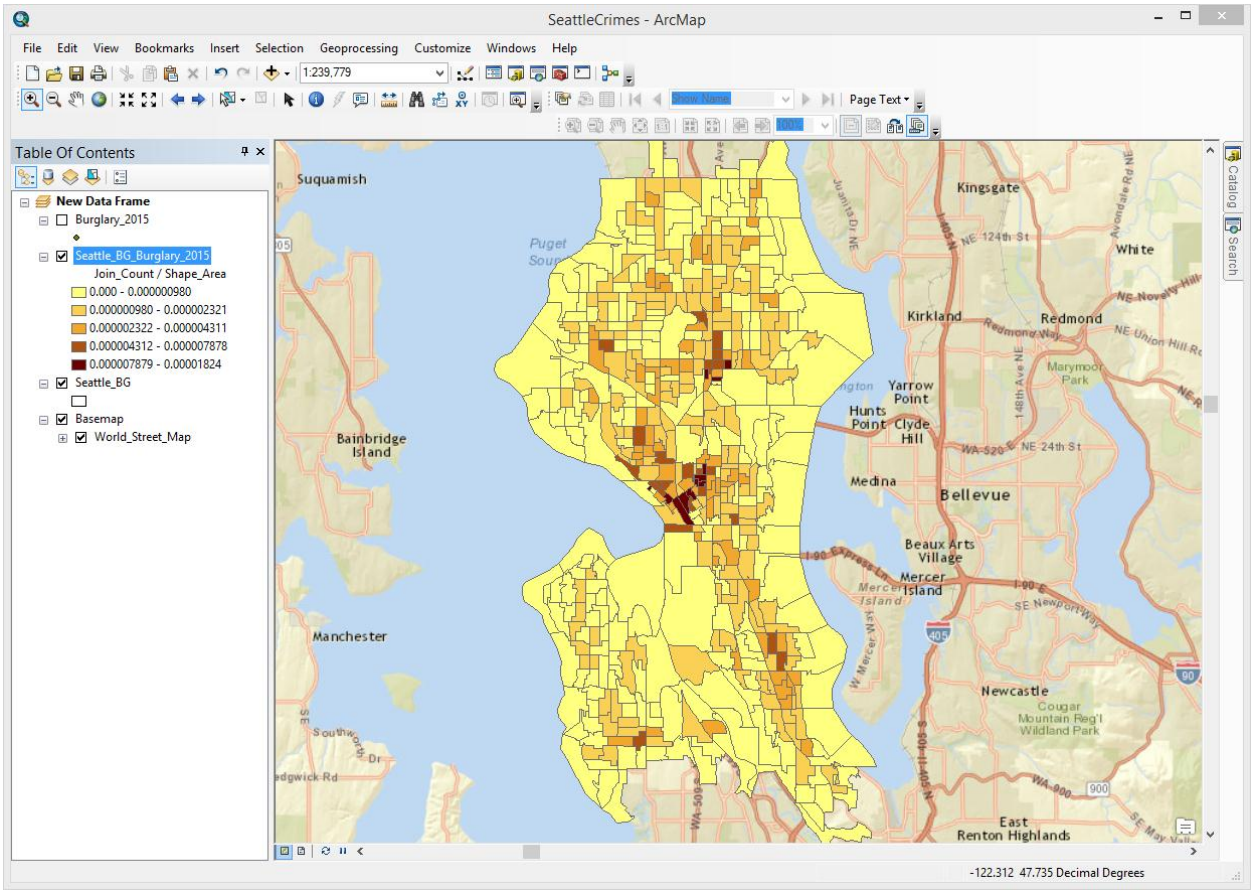

Import Records
Output Feature Class
C:\ArcGIS_Blueprint_Python\data\crime\SeattleCrimeAnalysis.gdb\Burglary_2015
Schema Feature Class
C:\ArcGIS_Blueprint_Python\data\crime\SeattleCrimeAnalysis.gdb\CrimeSchema
Begin Crime Date
1/1/2015
End Crime Date
6/9/2015
Crime Type
BURGLARY
Filter by District (optional)
Import Records
Imports police records from Seattle PD REST API
OK
Cancel
Environments...
<< Hide Help
Tool Help


Untitled - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
1:239,779
Page Text
Table Of Contents
New Data Frame
Burglary_2015
Seattle_BG
Basemap
World_Street_Map
Suquamish
Kingsgate
White
Kirkland
Redmond
Yarrow Point
Hunts Point
Clyde Hill
Bainbridge Island
Medina
Bellevue
Beaux Arts Village
Mercer Island
Manchester
Newcastle
East Renton Highlands
-122.405 47.748 Decimal Degrees


Catalog
Location: My Toolboxes
Home - Documents\ArcGIS
Folder Connections
C:\ArcGIS_Blueprint_Python
C:\ArcpyBook
Toolboxes
My Toolboxes
CrimeAnalysis.pyt
Aggregate Crimes
Import Records
InsertWildfires.pyt
MigrationPatterns.pyt
System Toolboxes
Catalog
Search


Aggregate Crimes
Boundary Layer
Crime Point Locations
Output Feature Class
Aggregate Crimes
Aggregates crime points to a polygon layer
OK
Cancel
Environments...
<< Hide Help
Tool Help


Aggregate Crimes
Boundary Layer
C:\ArcGIS_Blueprint_Python\data\crime\Seattle_BG.shp
Crime Point Locations
C:\ArcGIS_Blueprint_Python\data\crime\SeattleCrimeAnalysis.gdb\Burglary_2015
Output Feature Class
ArcGIS_Blueprint_Python\data\crime\SeattleCrimeAnalysis.gdb\Seattle_BG_Burglary_2015
Aggregate Crimes
Aggregates crime points to a polygon layer
OK
Cancel
Environments...
<< Hide Help
Tool Help


SeattleCrimes - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
1:239,779
Page Text
Table Of Contents
New Data Frame
Burglary_2015
Seattle_BG_Burglary_2015
Join_Count / Shape_Area
0.000 - 0.000000980
0.000000980 - 0.000002321
0.000002322 - 0.000004311
0.000004312 - 0.000007878
0.000007879 - 0.00001824
Seattle_BG
Basemap
World_Street_Map
Suquamish
Bainbridge Island
Manchester
Kingsgate
White
Kirkland
Redmond
Yarrow Point
Hunts Point
Clyde Hill
Medina
Bellevue
Beaux Arts Village
Mercer Island
Newcastle
Cougar Mountain Reg'l Wildland Park
East Renton Highlands
Catalog
Search
-122.312 47.735 Decimal Degrees

Add Basemap

Imagery

Imagery with Labels

Streets

Topographic

Dark Gray Canvas

Light Gray Canvas

National Geographic

Oceans

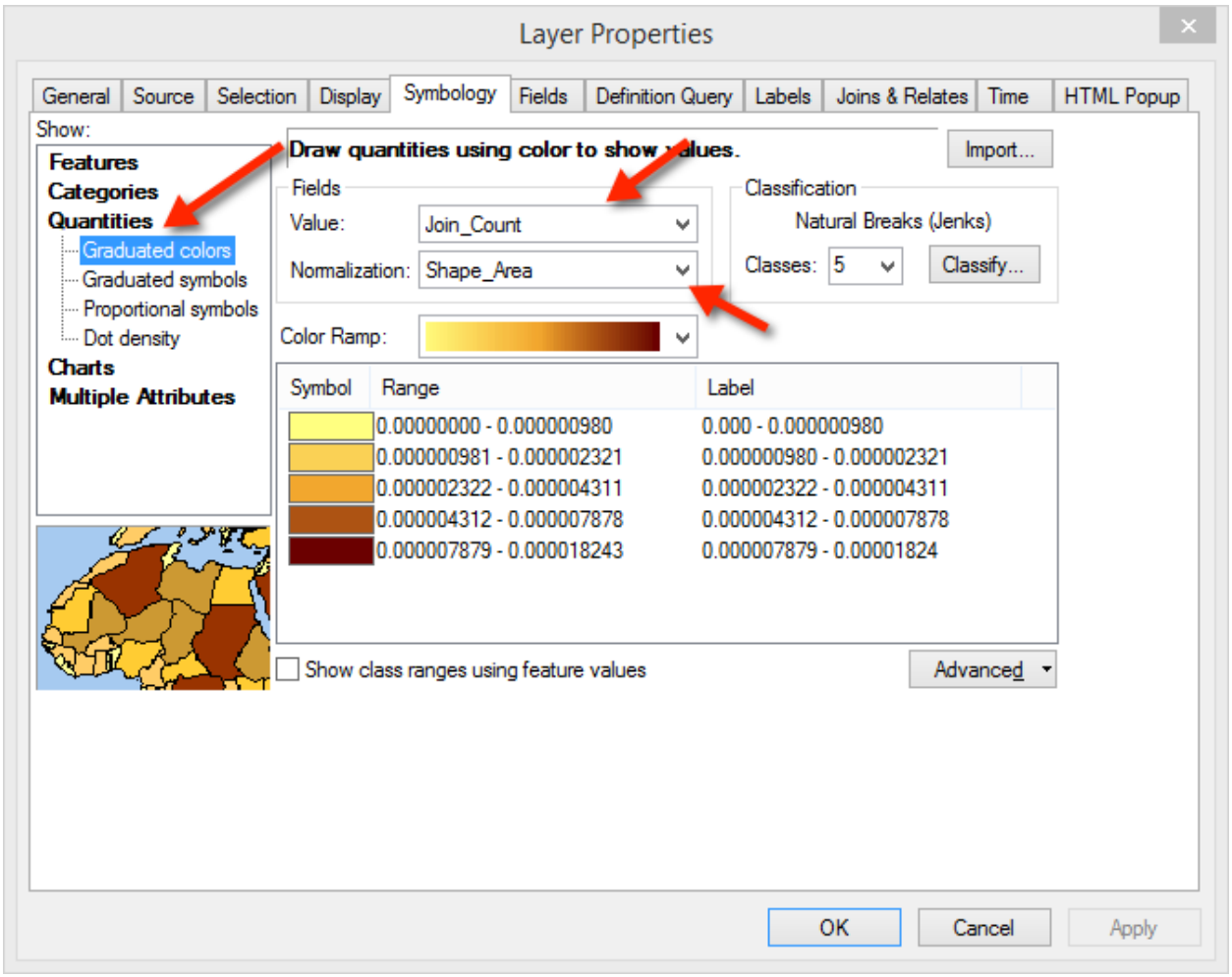
Terrain with Labels

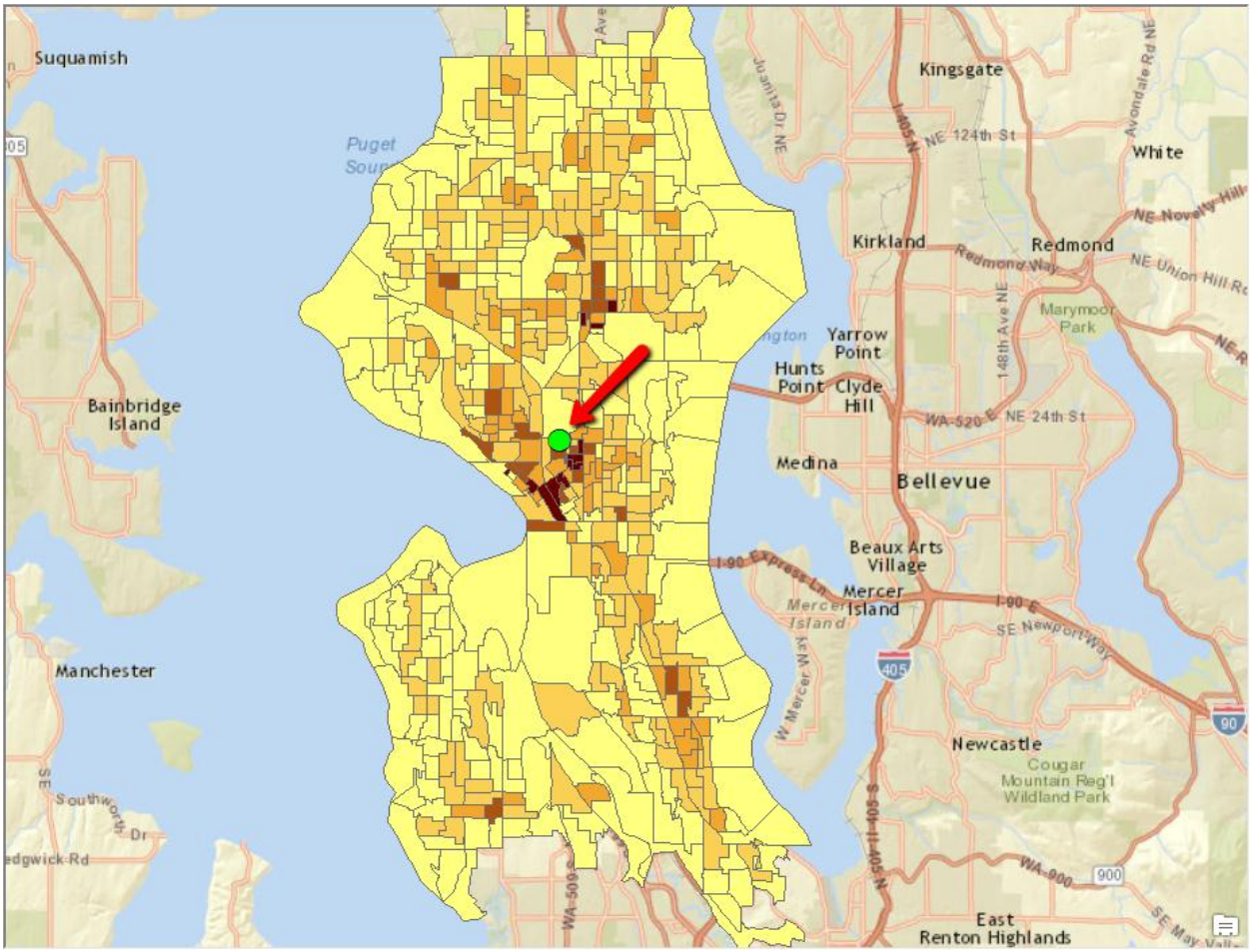
OpenStreetMap

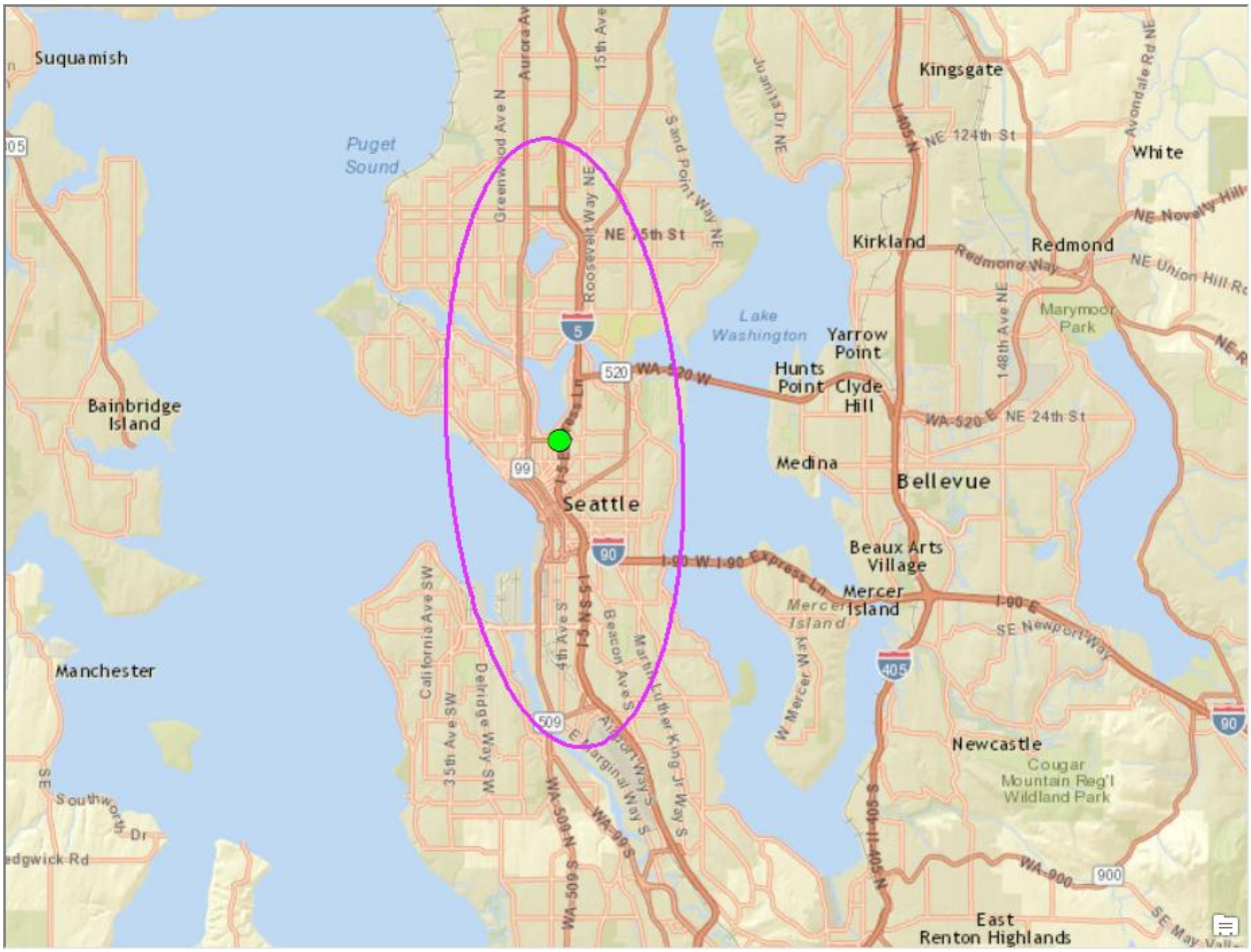
USA Topo Maps

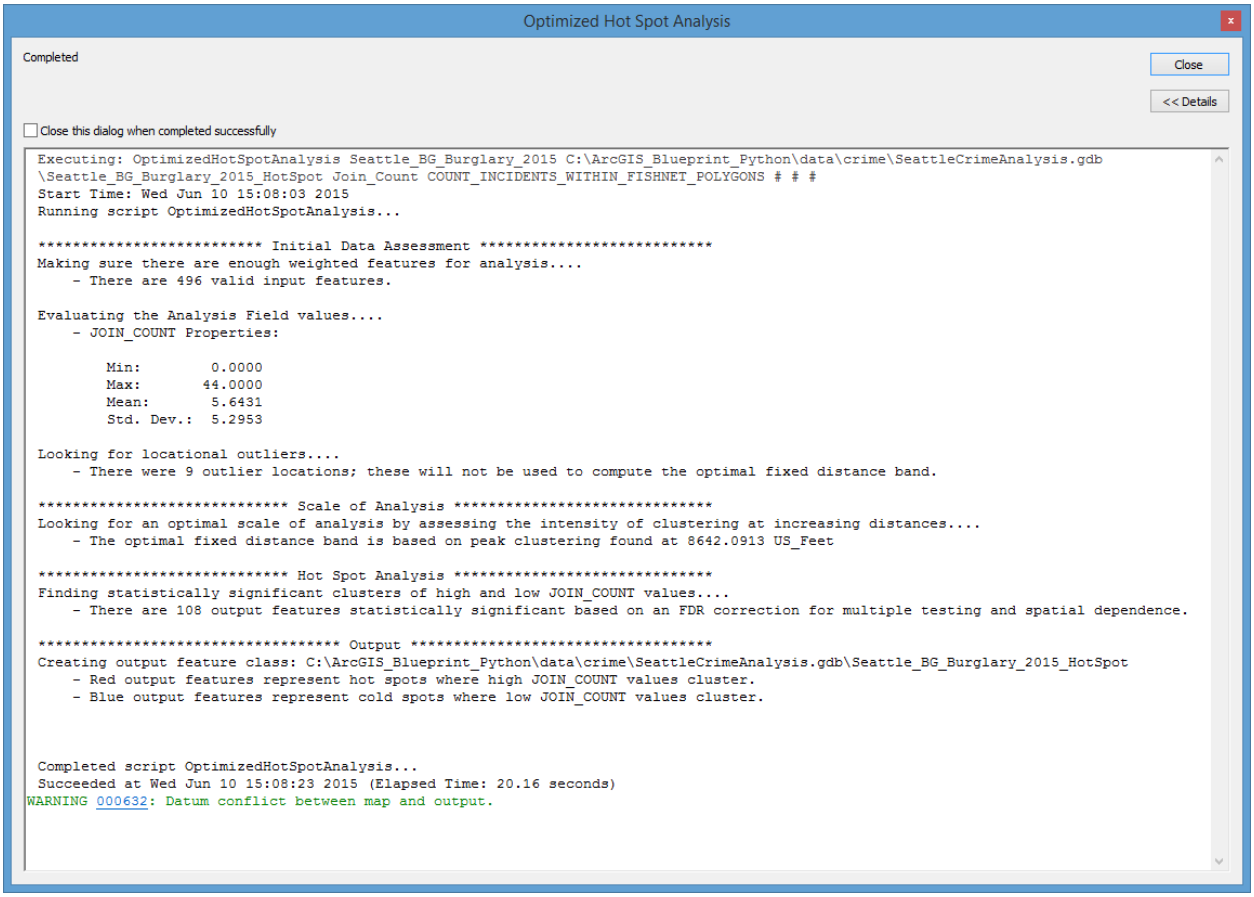
USGS National Map

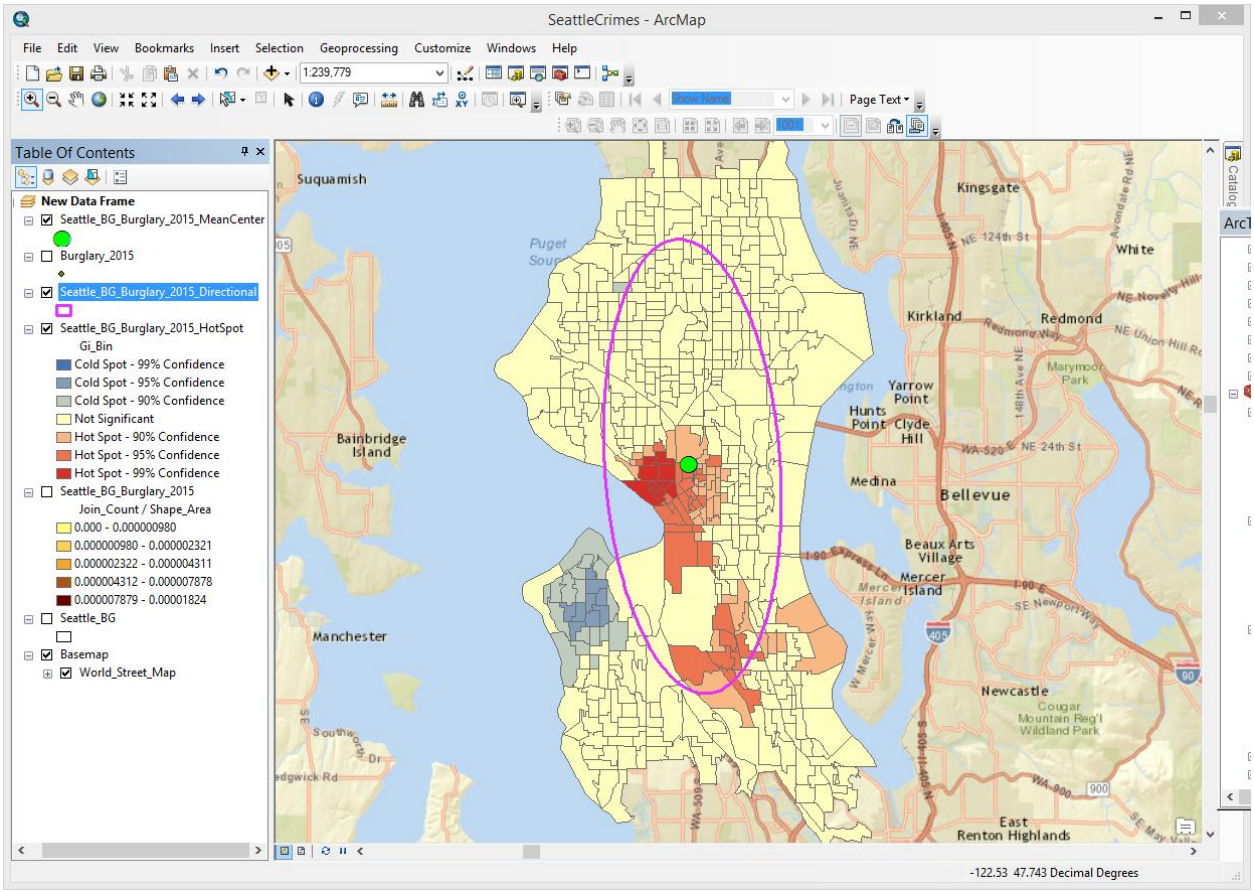
Add Cancel


Layer Properties
General
Source
Selection
Display
Symbology
Fields
Definition Query
Labels
Joins & Relates
Time
HTML Popup
Show:
Features
Categories
Quantities
Graduated colors
Graduated symbols
Proportional symbols
Dot density
Charts
Multiple Attributes
Draw quantities using color to show values.
Import...
Fields
Value: Join_Count
Normalization: Shape_Area
Classification
Natural Breaks (Jenks)
Classes: 5
Classify...
Color Ramp:
Symbol
Range
Label
0.00000000 - 0.000000980
0.000 - 0.000000980
0.000000981 - 0.000002321
0.000000980 - 0.000002321
0.000002322 - 0.000004311
0.000002322 - 0.000004311
0.000004312 - 0.000007878
0.000004312 - 0.000007878
0.000007879 - 0.000018243
0.000007879 - 0.00001824
Show class ranges using feature values
Advanced
OK
Cancel
Apply


Suquamish
Puget Sound
Kingsgate
NE 124th St
White
Kirkland
Redmond
Redmond Way
NE Union Hill Rd
Marymoor Park
Yarrow Point
Hunts Point
Clyde Hill
148th Ave NE
WA-520 E
NE 24th St
Bainbridge Island
Medina
Bellevue
Beaux Arts Village
I-90 Express Lanes
Mercer Island
I-90 E
SE Newport Way
W Mercer Way
Manchester
Newcastle
Cougar Mountain Reg'l Wildland Park
Southworth Dr
WA-900
East Renton Highlands


Suquamish
Puget Sound
Bainbridge Island
Manchester
Southworth
Dr
Kingsgate
White
NE 124th St
Kirkland
Redmond
Redmond Way
NE Novelty Hill
NE Union Hill Rd
Marymoor Park
Lake Washington
Yarrow Point
Hunts Point
Clyde Hill
WA-520 E
NE 24th St
Medina
Bellevue
Seattle
Beaux Arts Village
Mercer Island
I-90 E
SE Newport Way
Newcastle
Cougar Mountain Reg'l Wildland Park
East Renton Highlands
WA-900
Roosevelt Way NE
NE 75th St
Sand Point Way NE
Aurora Ave N
15th Ave
Greenwood Ave N
Juanita Dr NE
Avondale Rd NE
148th Ave NE
I-5 Express Lane
I-90 W I-90 Express Lane
W Mercer Way
Mercer Island
California Ave SW
35th Ave SW
Delridge Way SW
4th Ave S
Beacon Ave S
Martin Luther King Jr Way S
E Marginal Way S
WA-509 N
WA-509 S
WA-99 S
S 405 to I-405 N
5
520
99
90
405
509
900


Optimized Hot Spot Analysis
Completed
Close
<< Details
Close this dialog when completed successfully
Executing: OptimizedHotSpotAnalysis Seattle_BG_Burglary_2015 C:\ArcGIS_Blueprint_Python\data\crime\SeattleCrimeAnalysis.gdb
\Seattle_BG_Burglary_2015_HotSpot Join_Count COUNT_INCIDENTS_WITHIN_FISHNET_POLYGONS # # #
Start Time: Wed Jun 10 15:08:03 2015
Running script OptimizedHotSpotAnalysis...
********** Initial Data Assessment **********
Making sure there are enough weighted features for analysis....
- There are 496 valid input features.
Evaluating the Analysis Field values....
- JOIN_COUNT Properties:
Min: 0.0000
Max: 44.0000
Mean: 5.6431
Std. Dev.: 5.2953
Looking for locational outliers....
- There were 9 outlier locations; these will not be used to compute the optimal fixed distance band.
********** Scale of Analysis **********
Looking for an optimal scale of analysis by assessing the intensity of clustering at increasing distances....
- The optimal fixed distance band is based on peak clustering found at 8642.0913 US_Feet
********** Hot Spot Analysis **********
Finding statistically significant clusters of high and low JOIN_COUNT values....
- There are 108 output features statistically significant based on an FDR correction for multiple testing and spatial dependence.
********** Output **********
Creating output feature class: C:\ArcGIS_Blueprint_Python\data\crime\SeattleCrimeAnalysis.gdb\Seattle_BG_Burglary_2015_HotSpot
- Red output features represent hot spots where high JOIN_COUNT values cluster.
- Blue output features represent cold spots where low JOIN_COUNT values cluster.
Completed script OptimizedHotSpotAnalysis...
Succeeded at Wed Jun 10 15:08:23 2015 (Elapsed Time: 20.16 seconds)
WARNING 000632: Datum conflict between map and output.


SeattleCrimes - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
1:239,779
Page Text
Table Of Contents
New Data Frame
Seattle_BG_Burglary_2015_MeanCenter
Burglary_2015
Seattle_BG_Burglary_2015_Directional
Seattle_BG_Burglary_2015_HotSpot
Gi_Bin
Cold Spot - 99% Confidence
Cold Spot - 95% Confidence
Cold Spot - 90% Confidence
Not Significant
Hot Spot - 90% Confidence
Hot Spot - 95% Confidence
Hot Spot - 99% Confidence
Seattle_BG_Burglary_2015
Join_Count / Shape_Area
0.000 - 0.000000980
0.000000980 - 0.000002321
0.000002322 - 0.000004311
0.000004312 - 0.000007878
0.000007879 - 0.00001824
Seattle_BG
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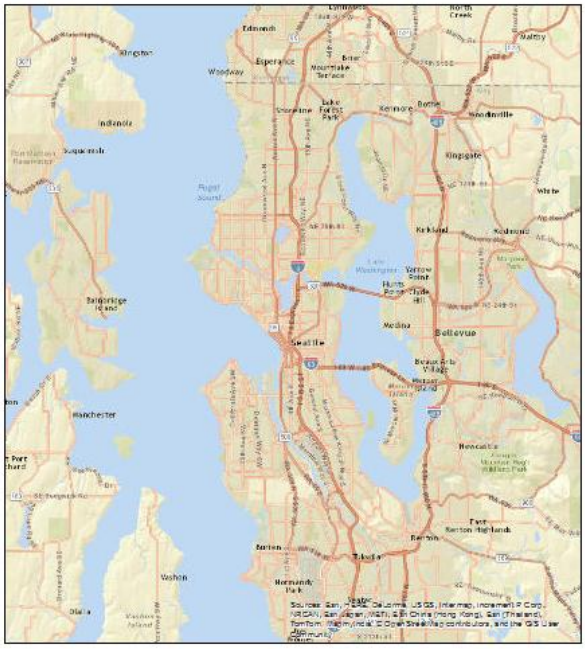
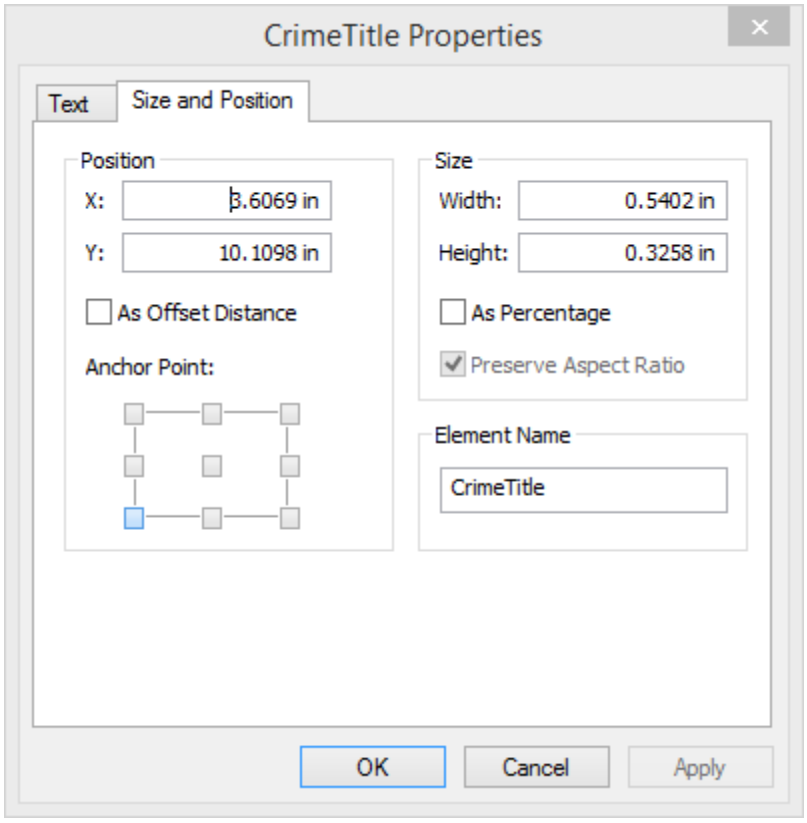
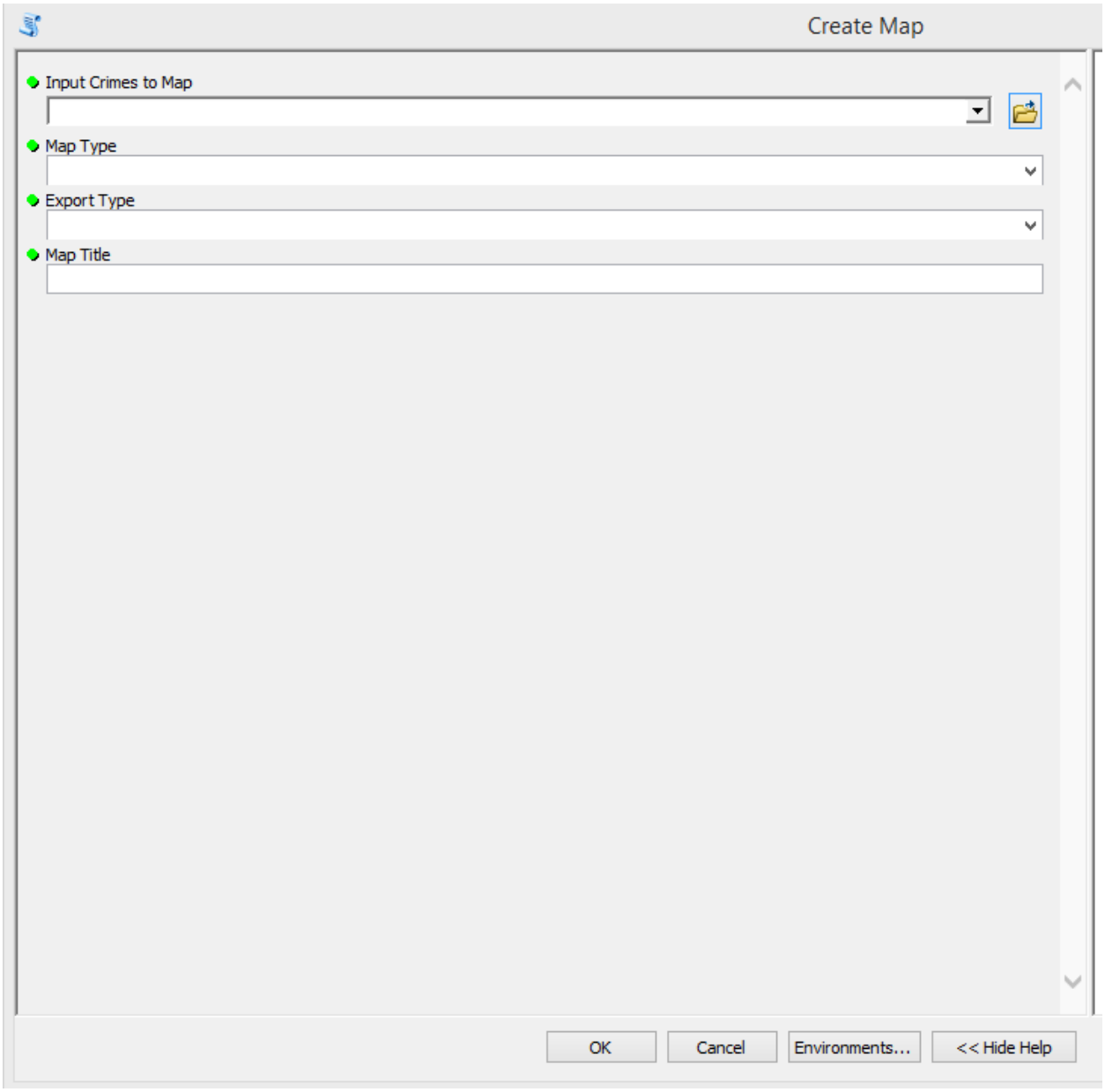
Bainbridge Island
Manchester
Kingsgate
White
Kirkland
Redmond
Yarrow Point
Hunts Point
Clyde Hill
Medina
Bellevue
Beaux Arts Village
Mercer Island
Newcastle
East Renton Highlands
-122.53 47.743 Decimal Degrees

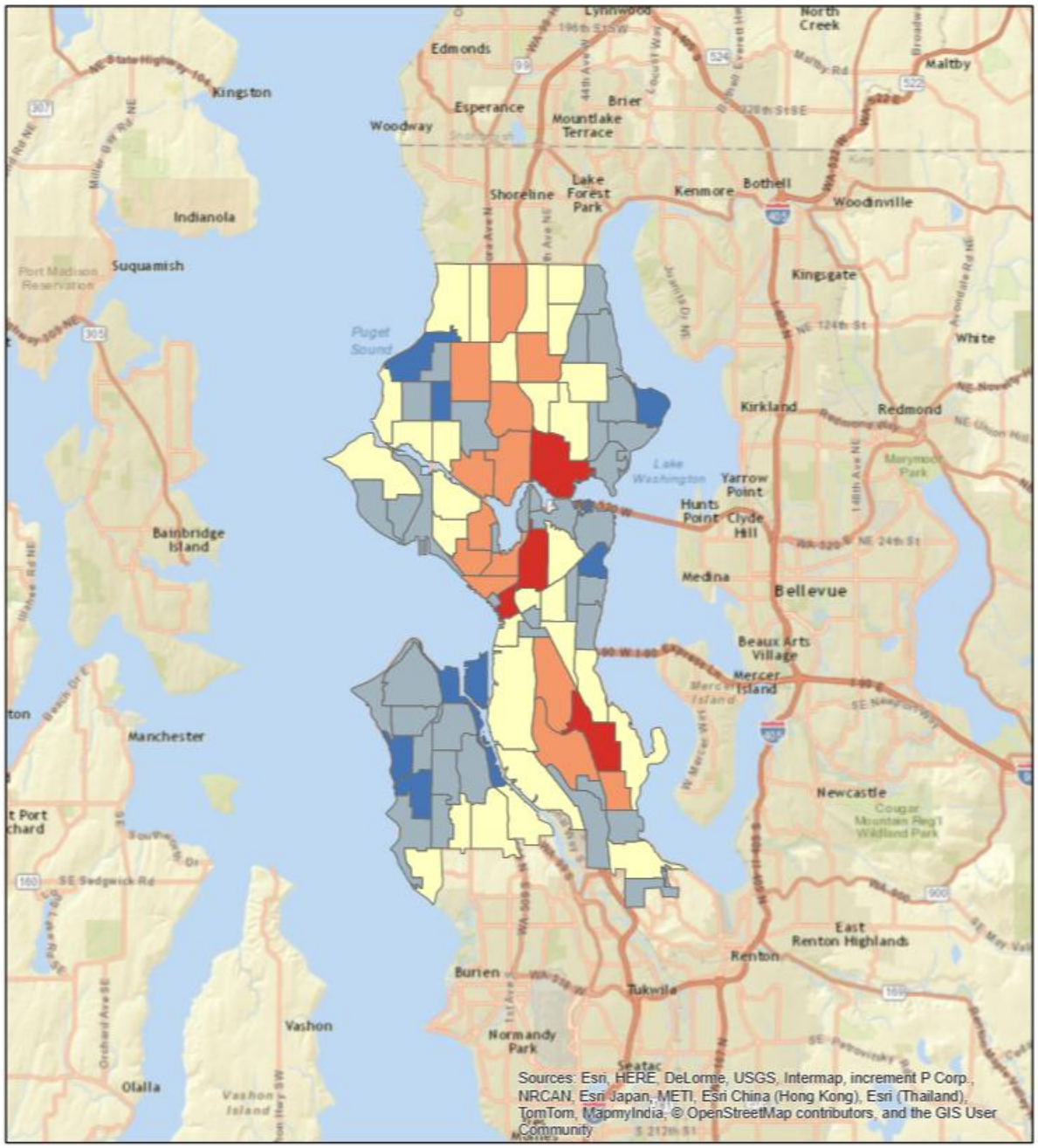
Title

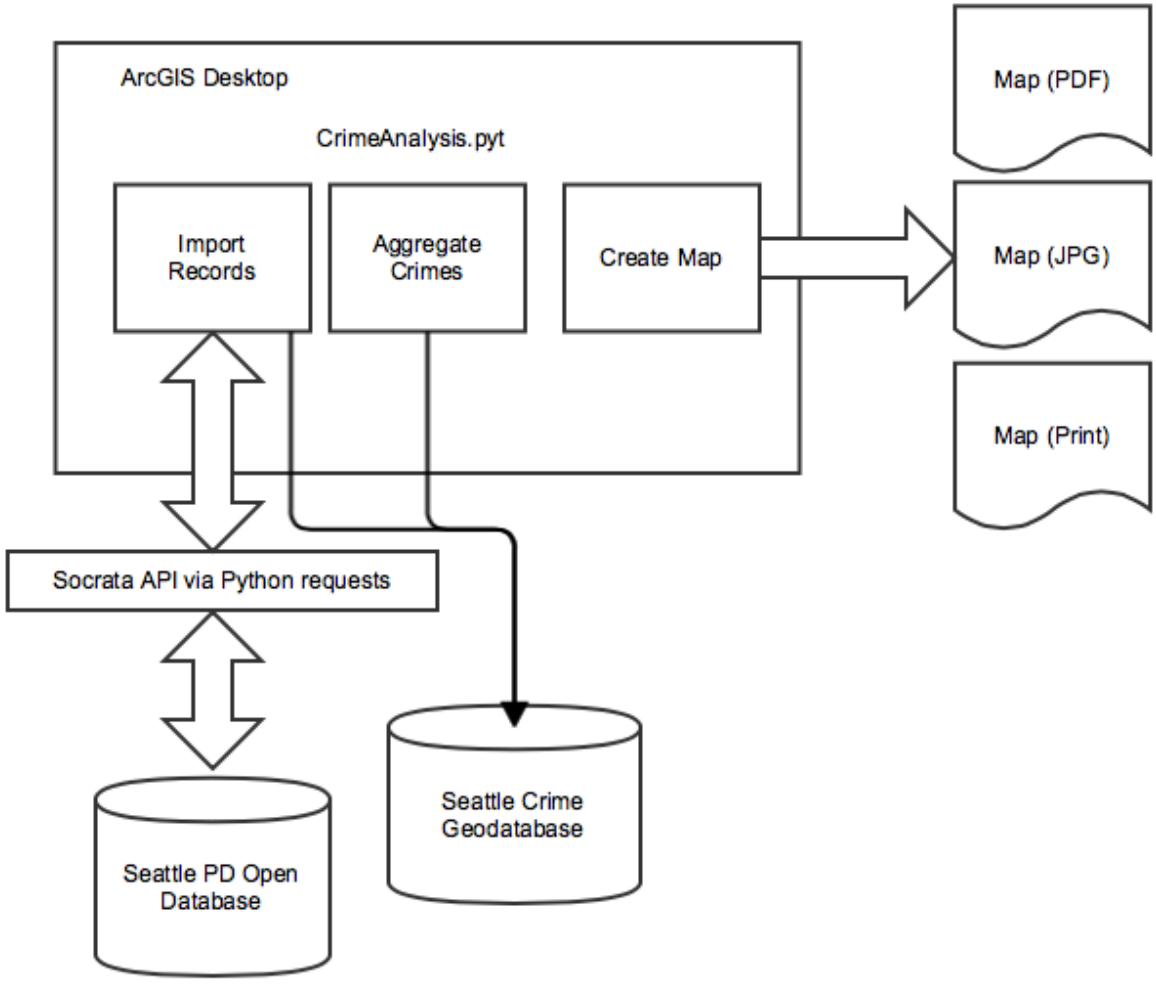

Edmonds
Kingston
Woodway
Esperance
Mountlake Terrace
Lake Forest Park
Kenmore
Bothell
Woodinville
Kingsgate
Indianola
Suquamish
Puget Sound
Kirkland
Redmond
Yarrow Point
Hunts Point
Clyde Hill
Medina
Bainbridge Island
Seattle
Bellevue
Mercer Island
Manchester
Newcastle
Renton
Tukwila
Burien
Vashon
Normandy Park
Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User
N
W
E
S
6 3 0 6 Miles


CrimeTitle Properties
Text
Size and Position
Position
X:
3.6069 in
Y:
10.1098 in
As Offset Distance
Anchor Point:
Size
Width:
0.5402 in
Height:
0.3258 in
As Percentage
Preserve Aspect Ratio
Element Name
CrimeTitle
OK
Cancel
Apply

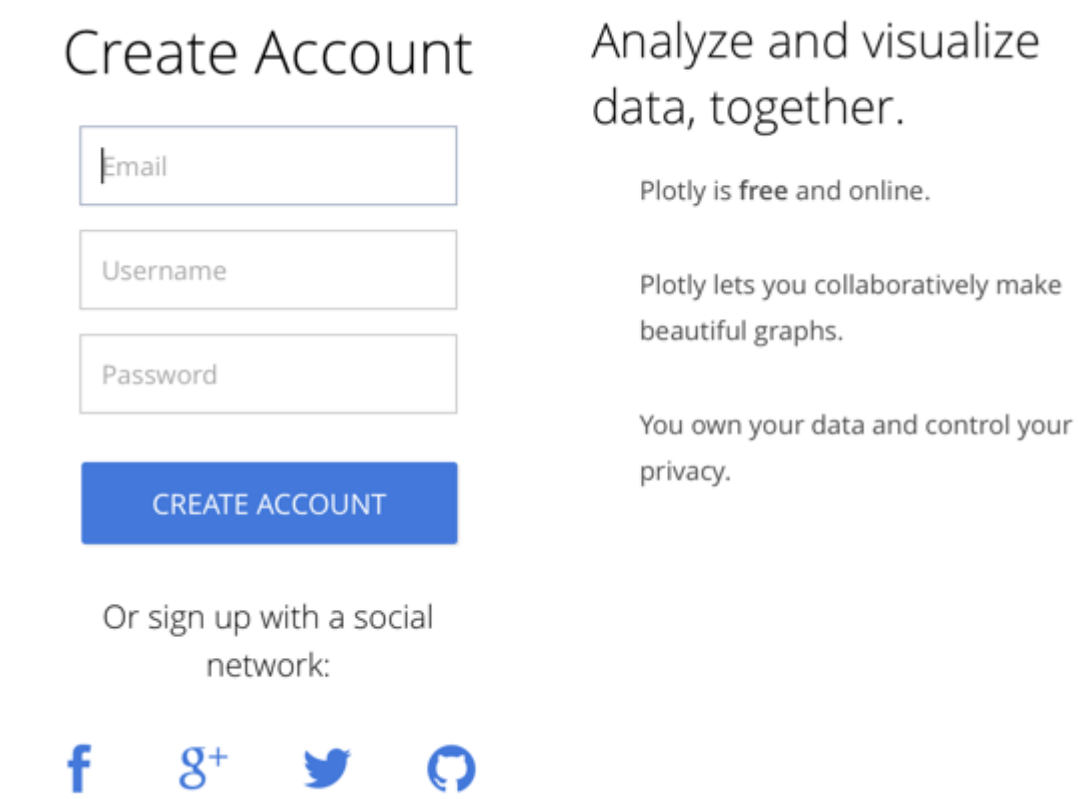

Create Map
Input Crimes to Map
Map Type
Export Type
Map Title
OK
Cancel
Environments...
<< Hide Help

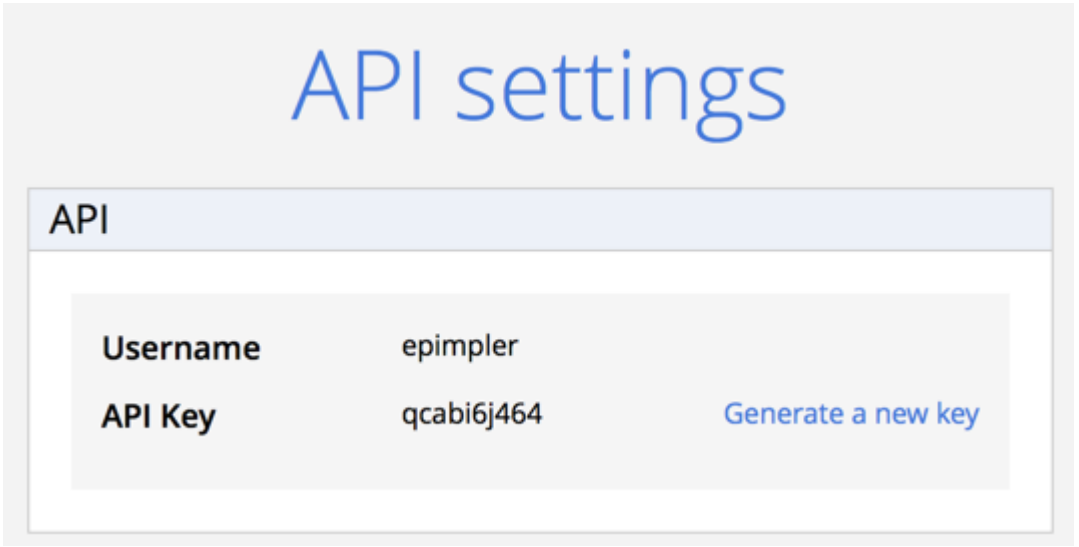
Seattle Burglaries by Neighborhood in 2015

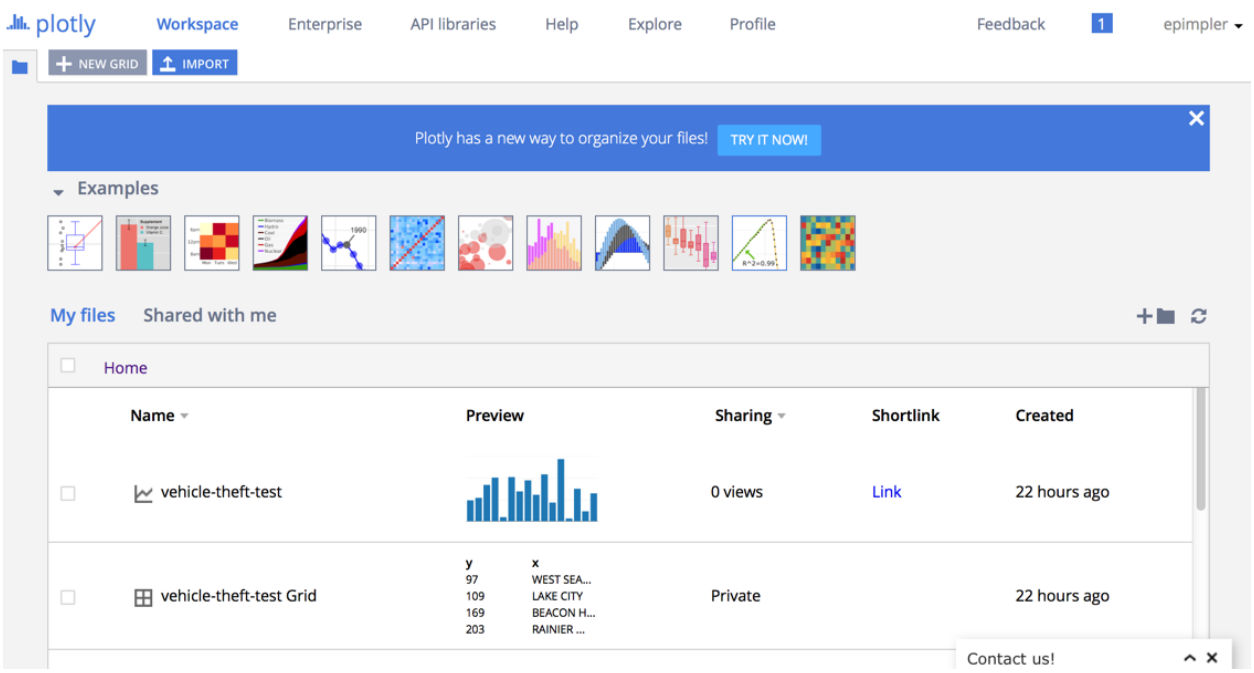



ArcGIS Desktop
CrimeAnalysis.pyt
Import Records
Aggregate Crimes
Create Map
Map (PDF)
Map (JPG)
Map (Print)
Socrata API via Python requests
Seattle PD Open Database
Seattle Crime Geodatabase

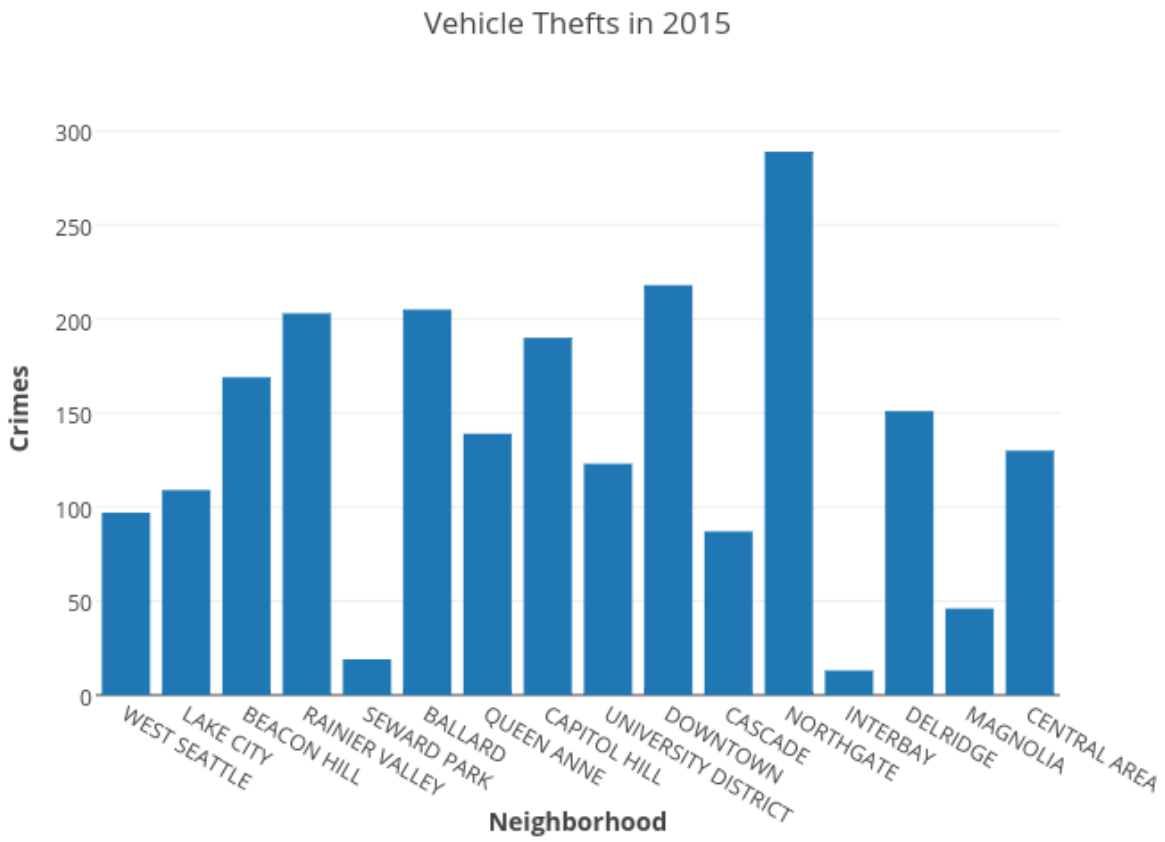
Chapter 5


Create Account
Email
Username
Password
CREATE ACCOUNT
Or sign up with a social network:
Analyze and visualize data, together.
Plotly is free and online.
Plotly lets you collaboratively make beautiful graphs.
You own your data and control your privacy.


API settings
API
Username
epimpler
API Key
qcabi6j464
Generate a new key


plotly
Workspace
Enterprise
API libraries
Help
Explore
Profile
Feedback
1
epimpler
NEW GRID
IMPORT
Plotly has a new way to organize your files!
TRY IT NOW!
Examples
My files
Shared with me
Home
Name
Preview
Sharing
Shortlink
Created
vehicle-theft-test
0 views
Link
22 hours ago
vehicle-theft-test Grid
y
97
109
169
203
x
WEST SEA...
LAKE CITY
BEACON H...
RAINIER ...
Private
22 hours ago
Contact us!


Puget Sound
Ballard
Lake Washington
Kirkland
Yarrow Point
Hunts Point
Clyde Hill
Medina
Bell
Beaux Art Village
Mercer Island
Juanita Dr NE
I-405 N
WA-520 W
I-90 W
I-90 Express Ln
W Mercer Way
WA-99 S
S 96th St
S 104th St
I-405 S
405



Output Feature Class

C:\ArcGIS_Blueprint_Python\data\crime\SeattleCrimeAnalysis.gdb\VehicleThefts_2014

Schema Feature Class

C:\ArcGIS_Blueprint_Python\data\crime\SeattleCrimeAnalysis.gdb\CrimeSchema

Begin Crime Date

1/1/2014

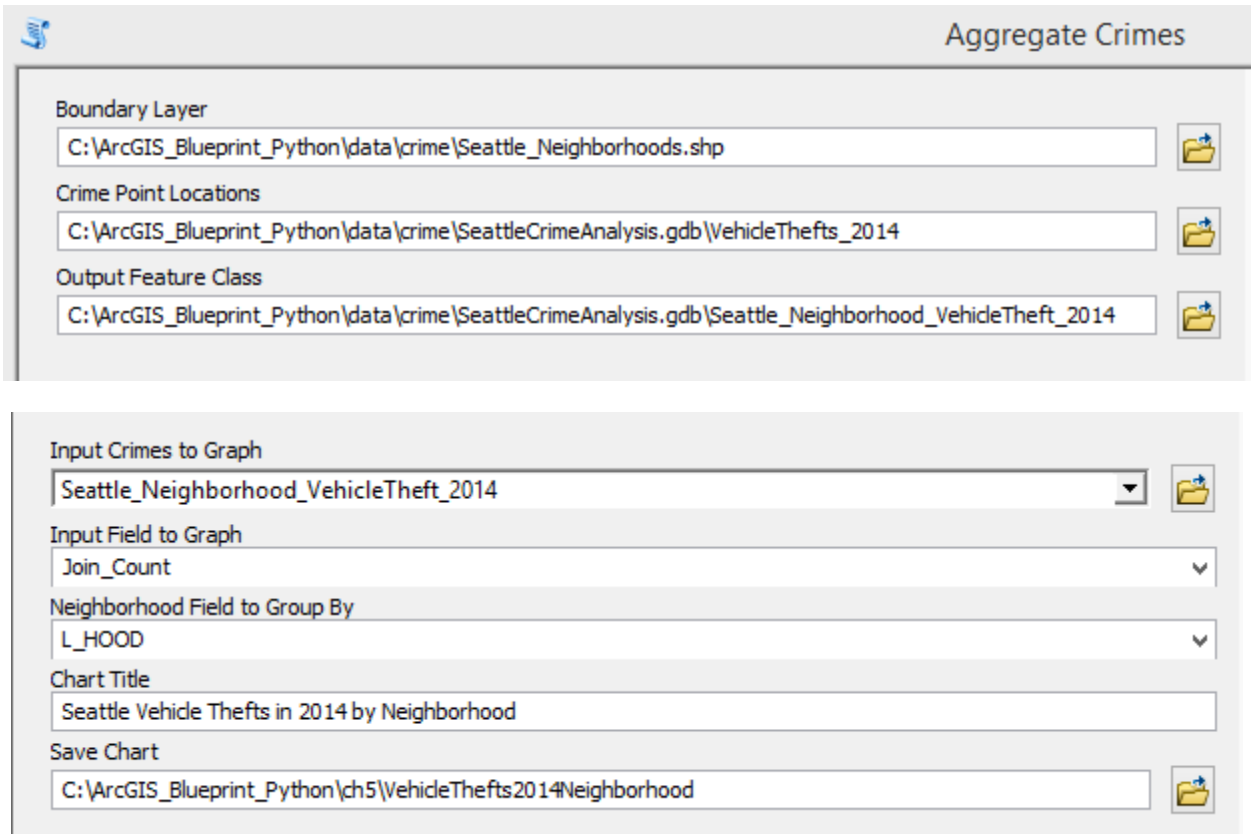
End Crime Date

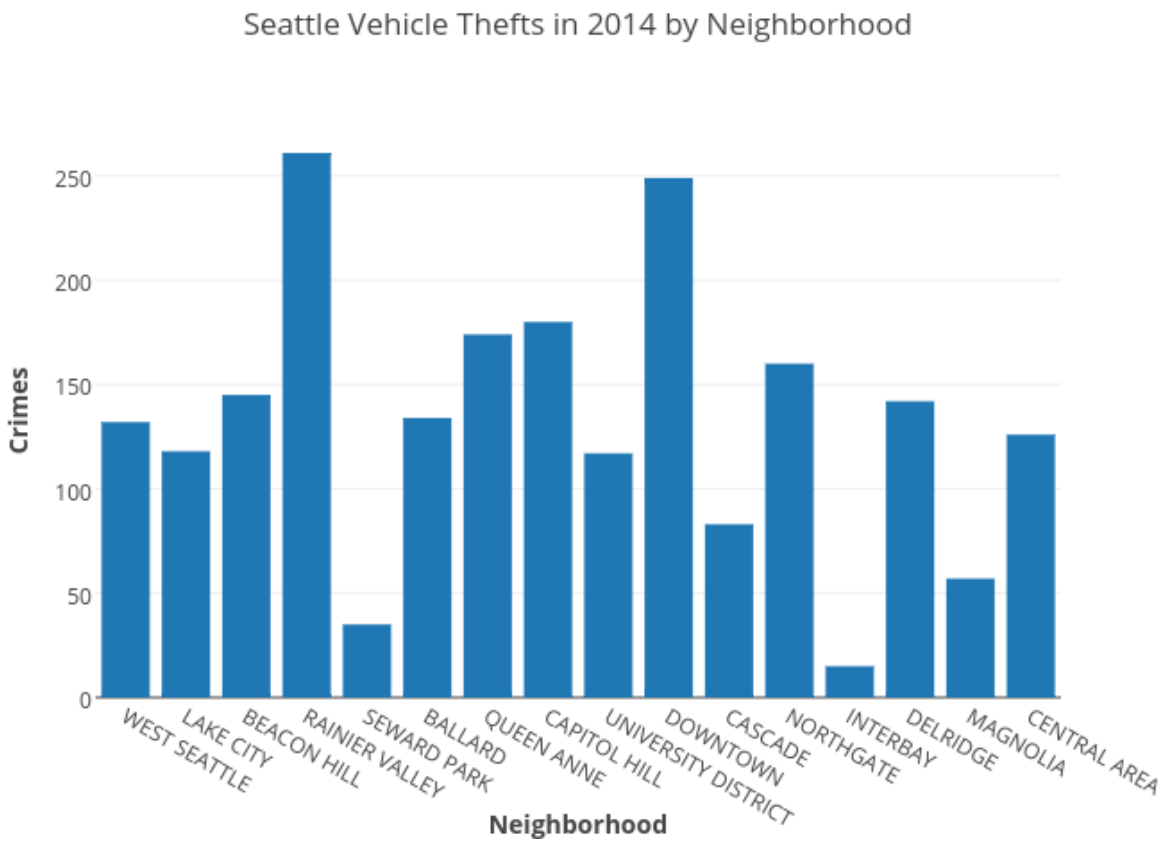
12/31/2014

Crime Type

VEHICLE THEFT

Filter by District (optional)


Aggregate Crimes
Boundary Layer
C:\ArcGIS_Blueprint_Python\data\crime\Seattle_Neighborhoods.shp
Crime Point Locations
C:\ArcGIS_Blueprint_Python\data\crime\SeattleCrimeAnalysis.gdb\VehicleThefts_2014
Output Feature Class
C:\ArcGIS_Blueprint_Python\data\crime\SeattleCrimeAnalysis.gdb\Seattle_Neighborhood_VehicleTheft_2014
Input Crimes to Graph
Seattle_Neighborhood_VehicleTheft_2014
Input Field to Graph
Join_Count
Neighborhood Field to Group By
L_HOOD
Chart Title
Seattle Vehicle Thefts in 2014 by Neighborhood
Save Chart
C:\ArcGIS_Blueprint_Python\ch5\VehicleThefts2014Neighborhood



Input Crimes to Graph

VehicleThefts_2014

Input Field (Month)

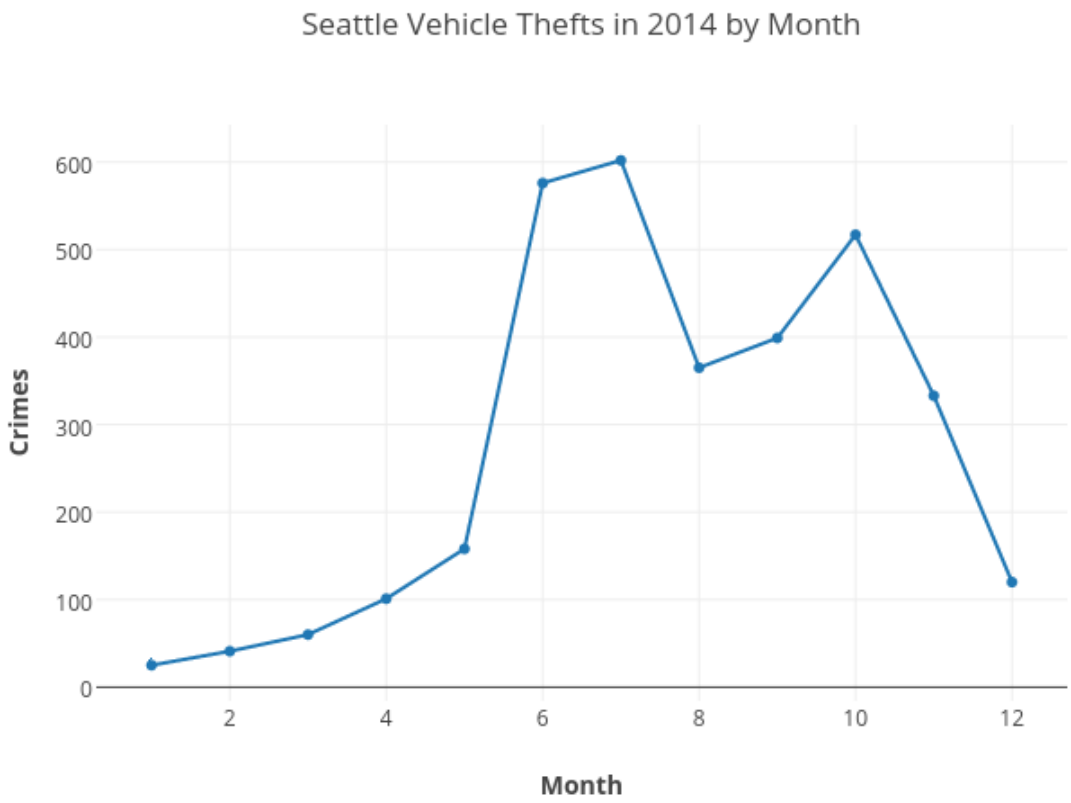
MONTH

Chart Title

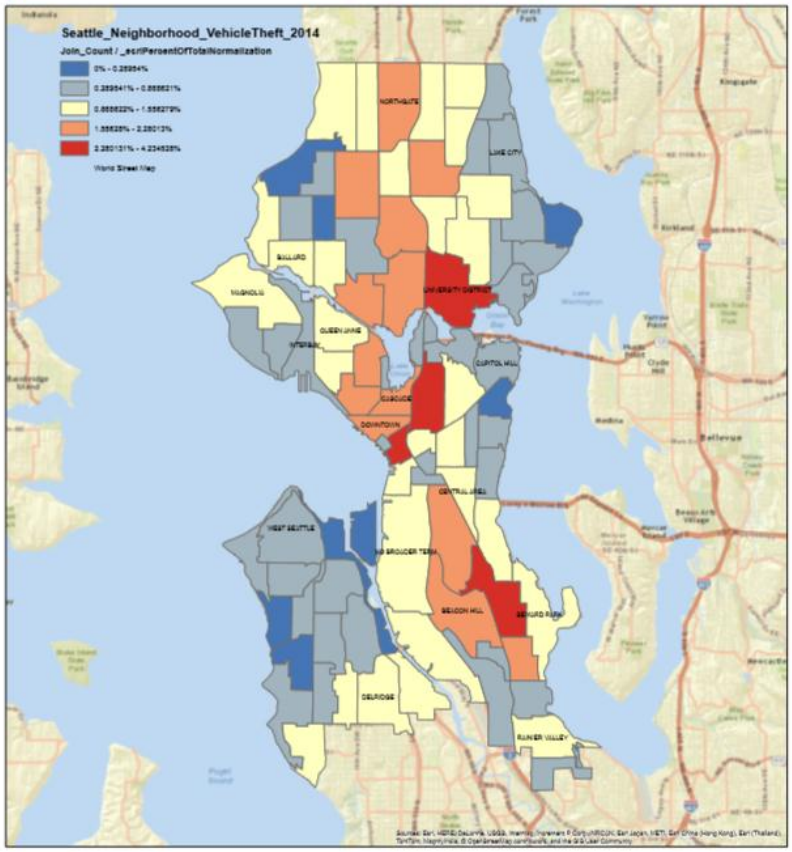
Seattle Vehicle Thefts in 2014 by Month

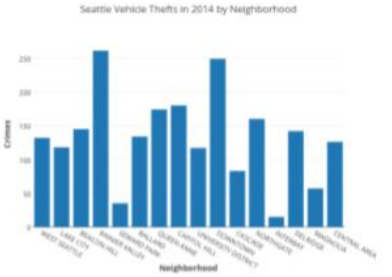
Save Chart

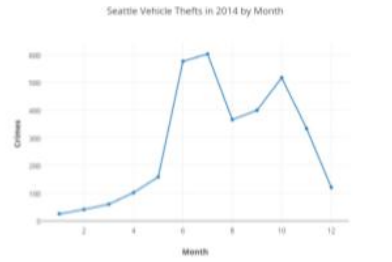
C:\ArcGIS_Blueprint_Python\ch5\Vehicle Thefts in 2014 by Month

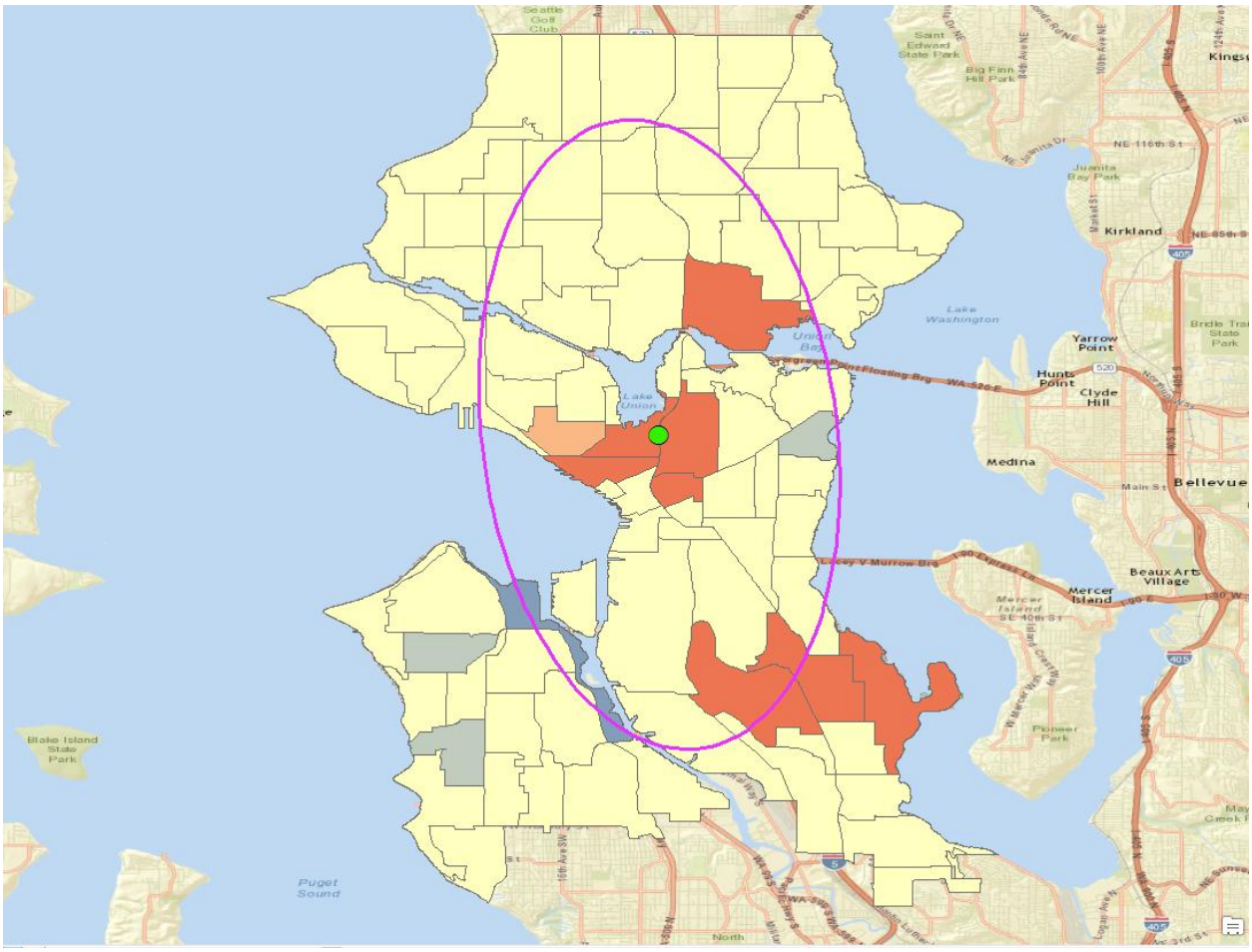

Seattle Vehicle Thefts in 2014 by Month
600
500
400
300
200
100
0
Crimes
2
4
6
8
10
12
Month

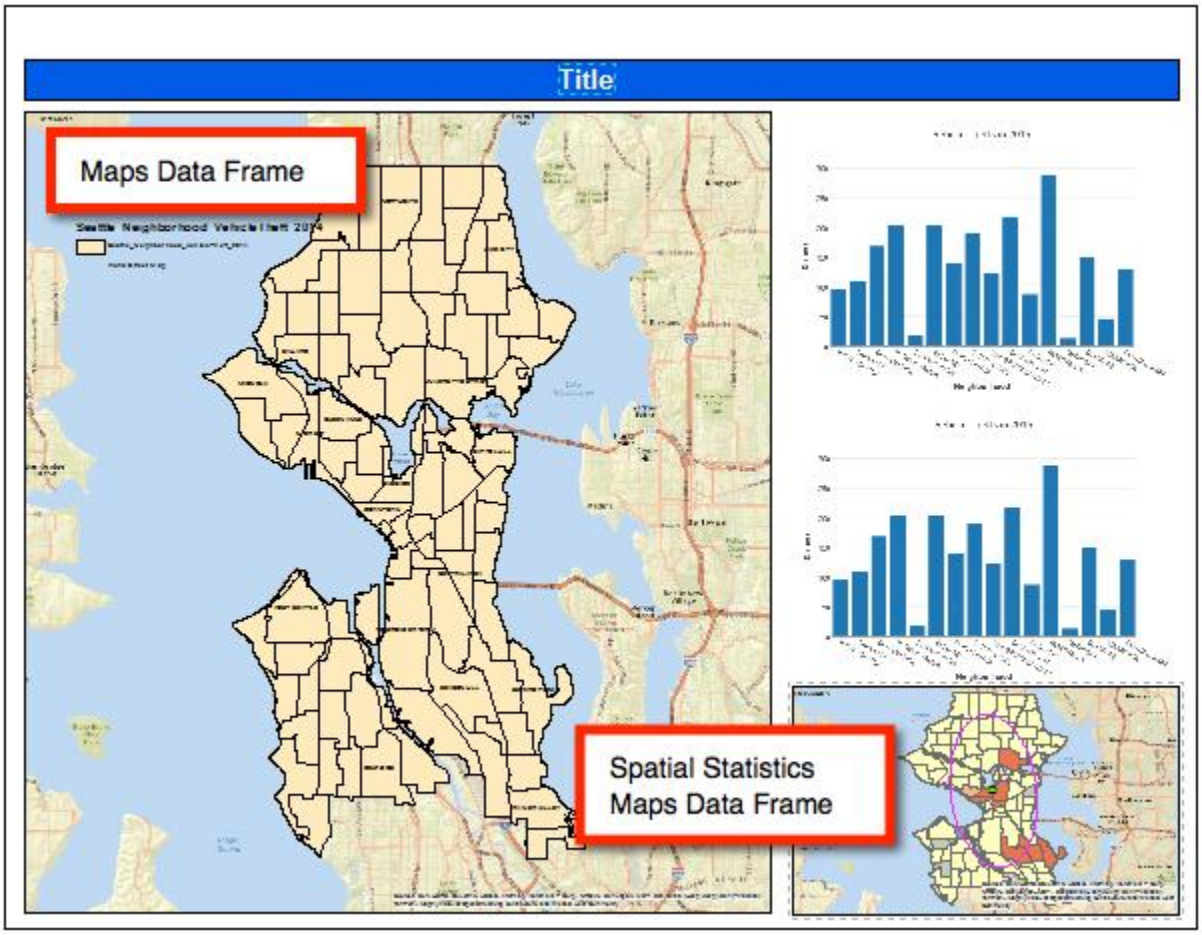
Vehicle Theft by Neighborhood in 2014

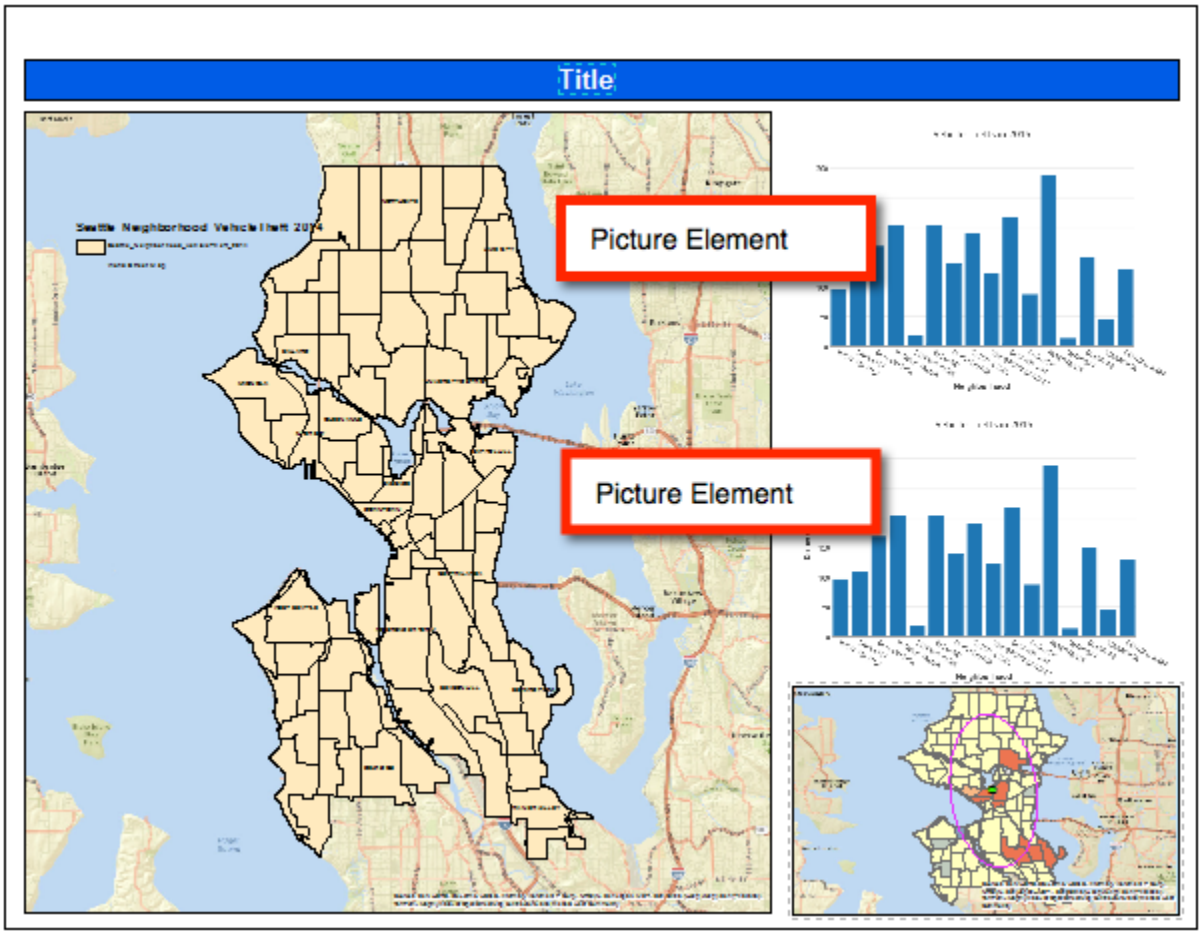


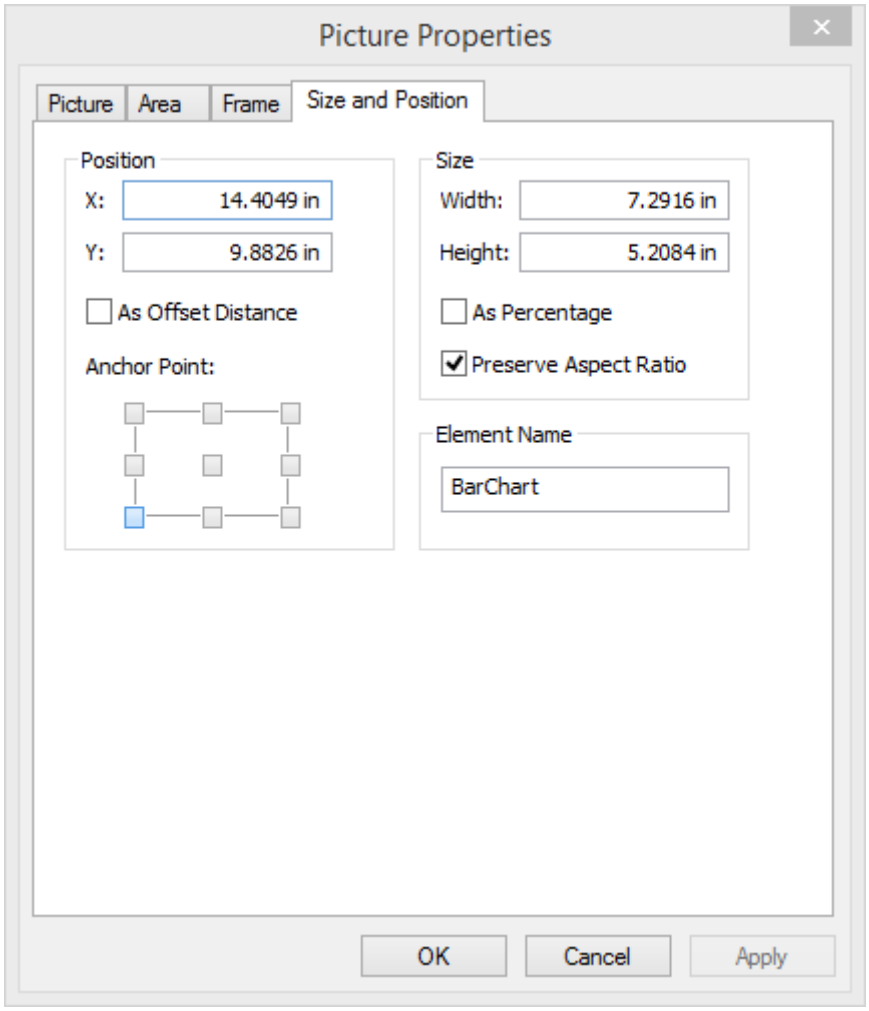





Seattle Golf Club
Saint Edward State Park
Big Finn Hill Park
NE 116th St
Juanita Bay Park
Kirkland
Lake Washington
Union Bay
Yarrow Point
Hunts Point
Clyde Hill
Lake Union
Medina
Bellevue
Lacey V Murrow Brg
Beaux Arts Village
Mercer Island
SE 40th St
Pioneer Park
Blake Island State Park
Puget Sound
North


Title
Maps Data Frame
Seattle Neighborhood Vehicle Theft 2014
Spatial Statistics
Maps Data Frame


Title
Seattle Neighborhood Vehicle Theft 2014
Picture Element
Picture Element


Picture Properties
Picture
Area
Frame
Size and Position
Position
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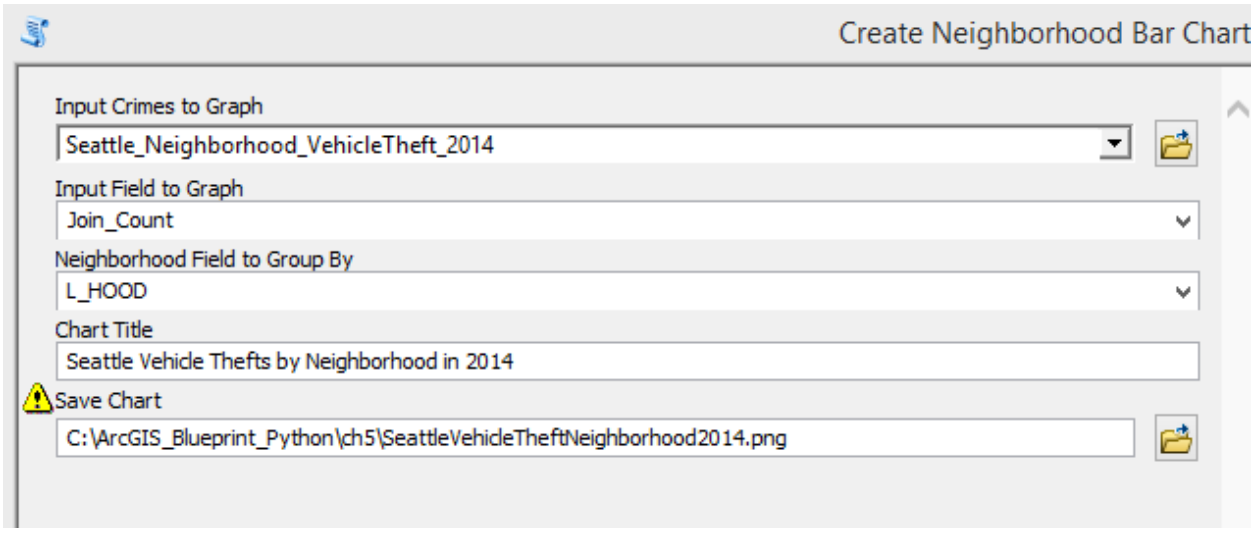
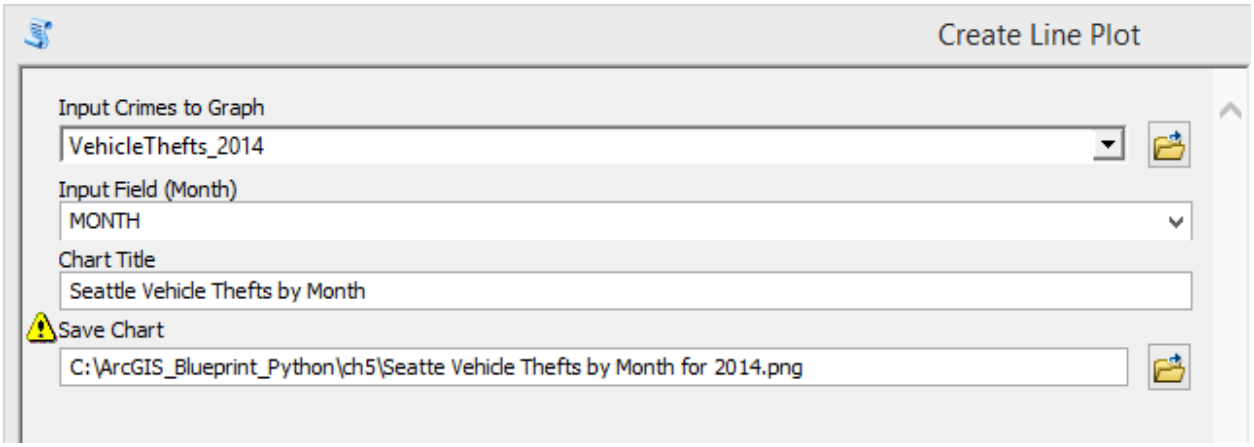
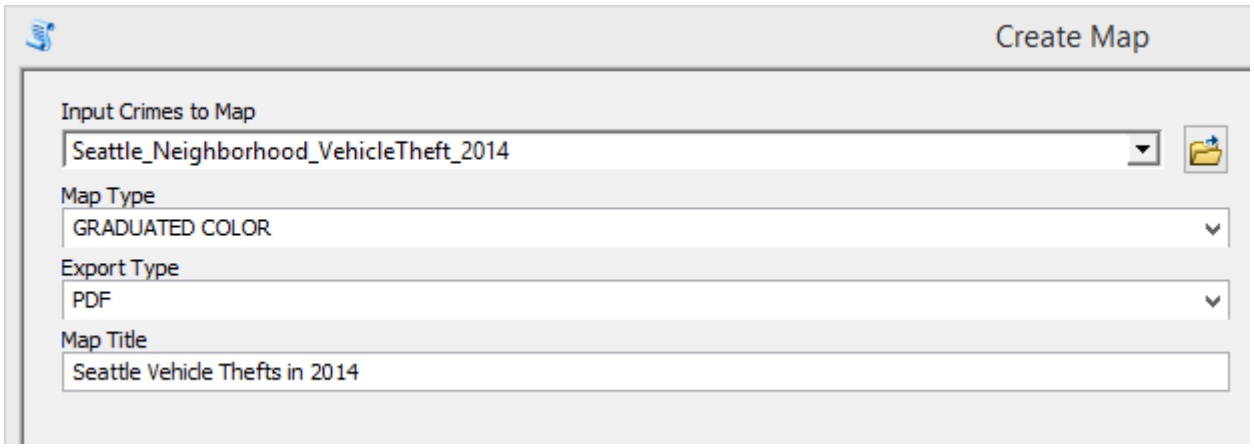
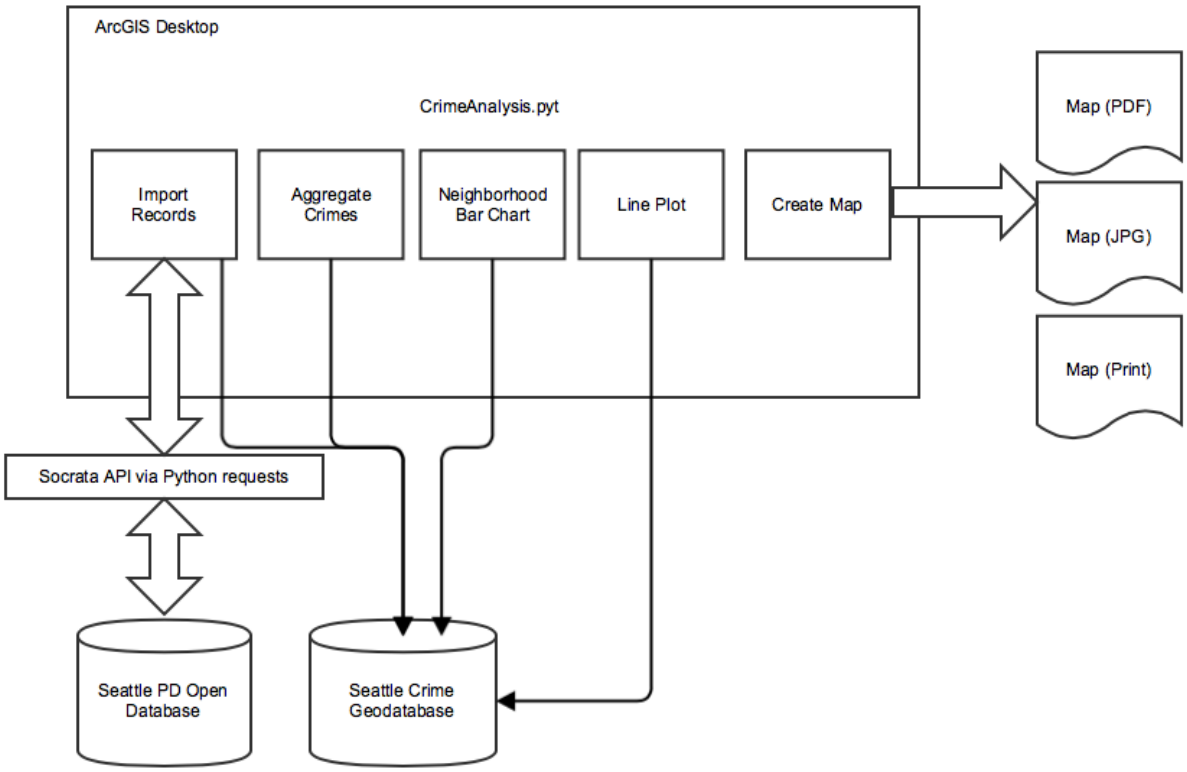
Y: 9.8826 in
As Offset Distance
Anchor Point:
Size
Width: 7.2916 in
Height: 5.2084 in
As Percentage
Preserve Aspect Ratio
Element Name
BarChart
OK
Cancel
Apply

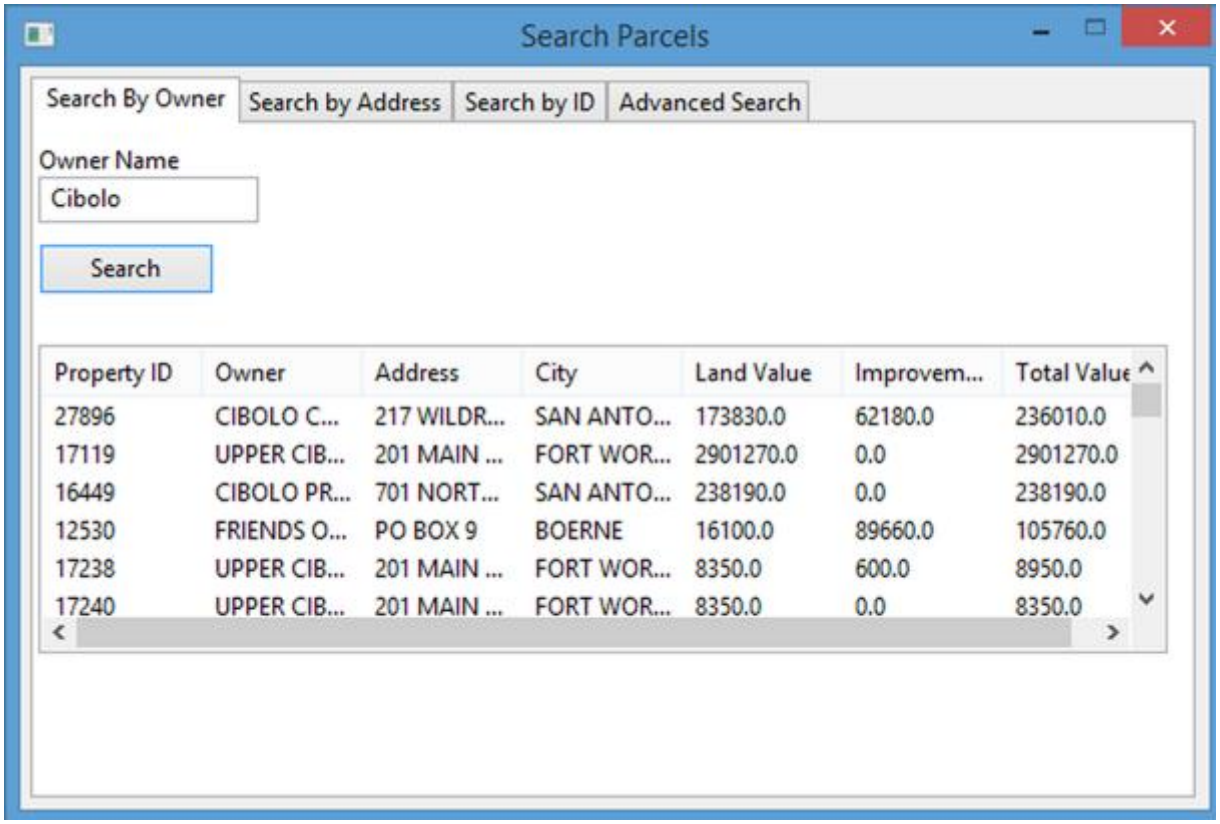

Create Neighborhood Bar Chart
Input Crimes to Graph
Seattle_Neighborhood_VehicleTheft_2014
Input Field to Graph
Join_Count
Neighborhood Field to Group By
L_HOOD
Chart Title
Seattle Vehicle Thefts by Neighborhood in 2014
Save Chart
C:\ArcGIS_Blueprint_Python\ch5\SeattleVehicleTheftNeighborhood2014.png


Create Line Plot
Input Crimes to Graph
VehicleThefts_2014
Input Field (Month)
MONTH
Chart Title
Seattle Vehicle Thefts by Month
Save Chart
C:\ArcGIS_Blueprint_Python\ch5\Seatte Vehicle Thefts by Month for 2014.png


Create Map
Input Crimes to Map
Seattle_Neighborhood_VehicleTheft_2014
Map Type
GRADUATED COLOR
Export Type
PDF
Map Title
Seattle Vehicle Thefts in 2014


ArcGIS Desktop
CrimeAnalysis.pyt
Import Records
Aggregate Crimes
Neighborhood Bar Chart
Line Plot
Create Map
Map (PDF)
Map (JPG)
Map (Print)
Socrata API via Python requests
Seattle PD Open Database
Seattle Crime Geodatabase

Chapter 6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Search By Owner
Search by Address
Search by ID
Advanced Search
Owner Name
Cibolo
Search
Property ID
Owner
Address
City
Land Value
Improvem...
Total Value
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CIBOLO C...
217 WILDR...
SAN ANTO...
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62180.0
236010.0
17119
UPPER CIB...
201 MAIN ...
FORT WOR...
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0.0
2901270.0
16449
CIBOLO PR...
701 NORT...
SAN ANTO...
238190.0
0.0
238190.0
12530
FRIENDS O...
PO BOX 9
BOERNE
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89660.0
105760.0
17238
UPPER CIB...
201 MAIN ...
FORT WOR...
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FORT WOR...
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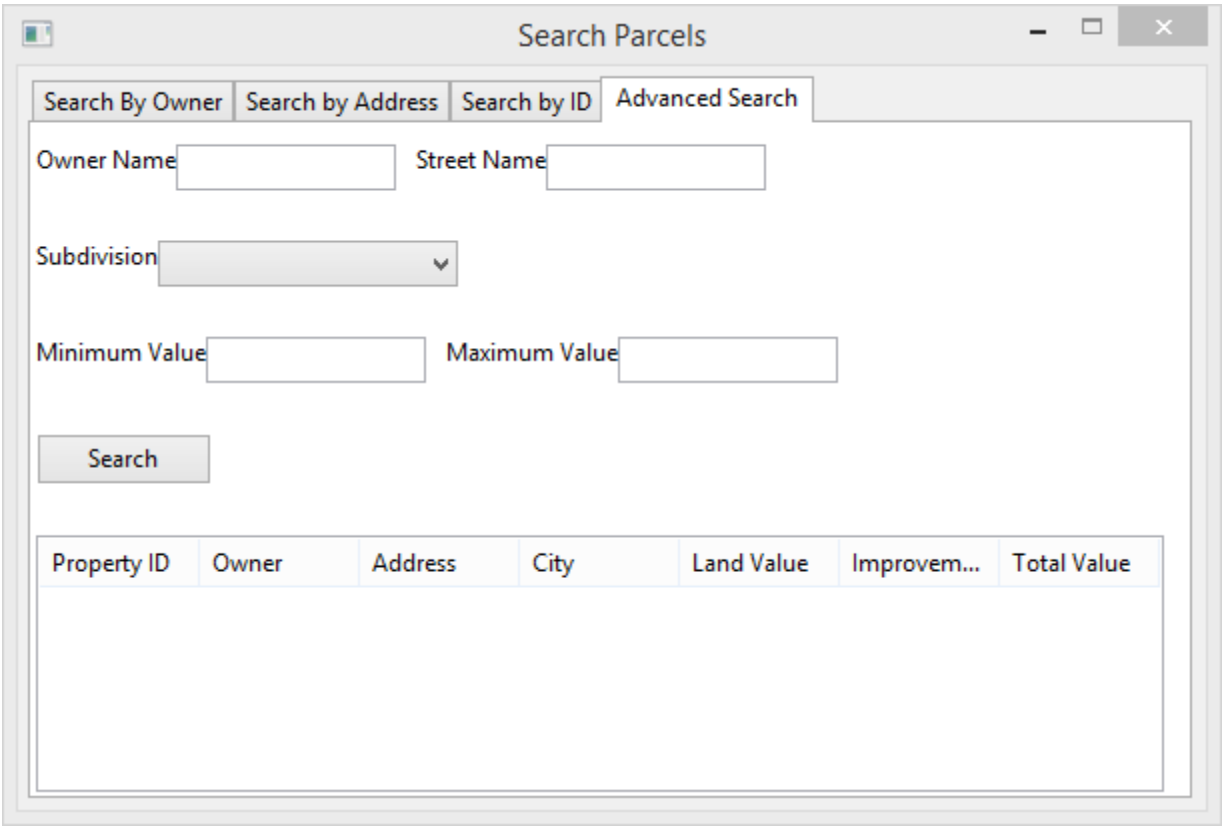
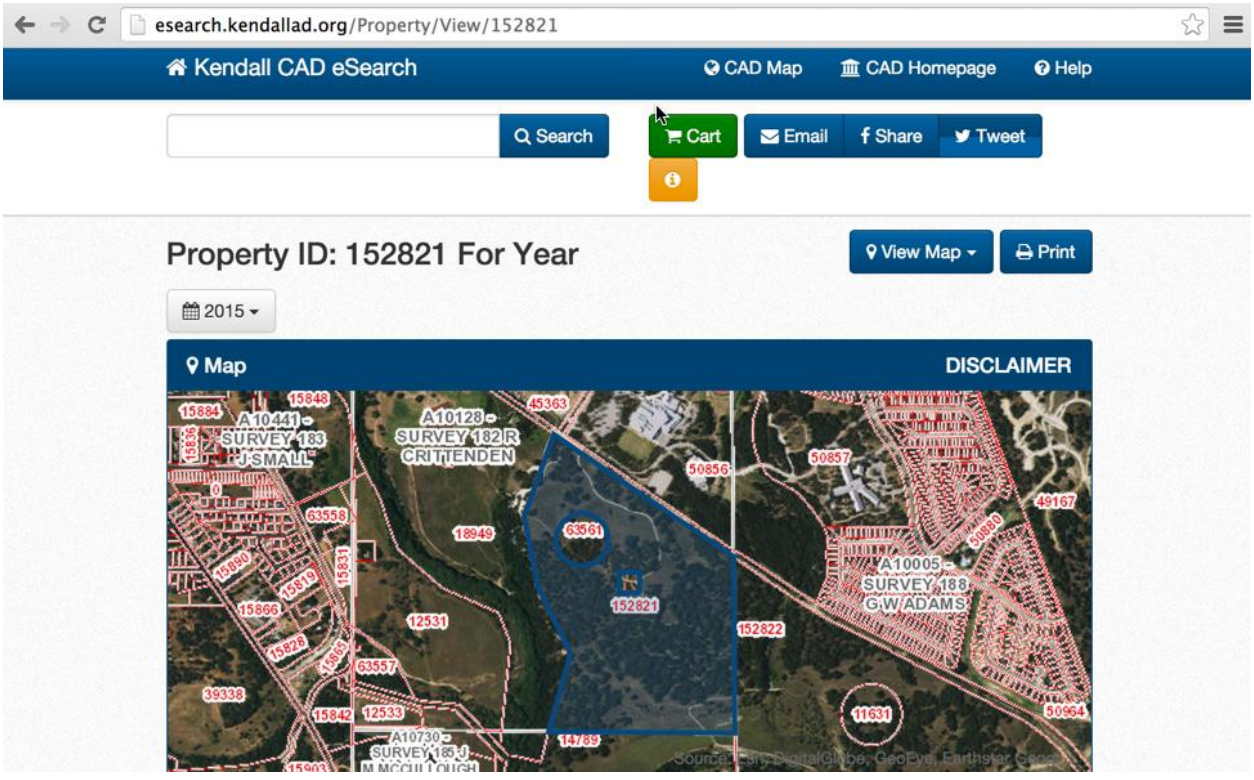

Search Parcels
Search By Owner
Search by Address
Search by ID
Advanced Search
Owner Name
Street Name
Subdivision
Minimum Value
Maximum Value
Search
Property ID
Owner
Address
City
Land Value
Improvem...
Total Value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CAD Map
CAD Homepage
Help
Search
Cart
Email
Share
Tweet
Property ID: 152821 For Year
View Map
Print
2015
Map
DISCLAIMER
A10441 SURVEY 183 J SMALL
A10128 SURVEY 182 R CRITTENDEN
A10005 SURVEY 188 G W ADAMS
A10730 SURVEY 185 J M MCCULLOUGH
15848
15884
45363
50856
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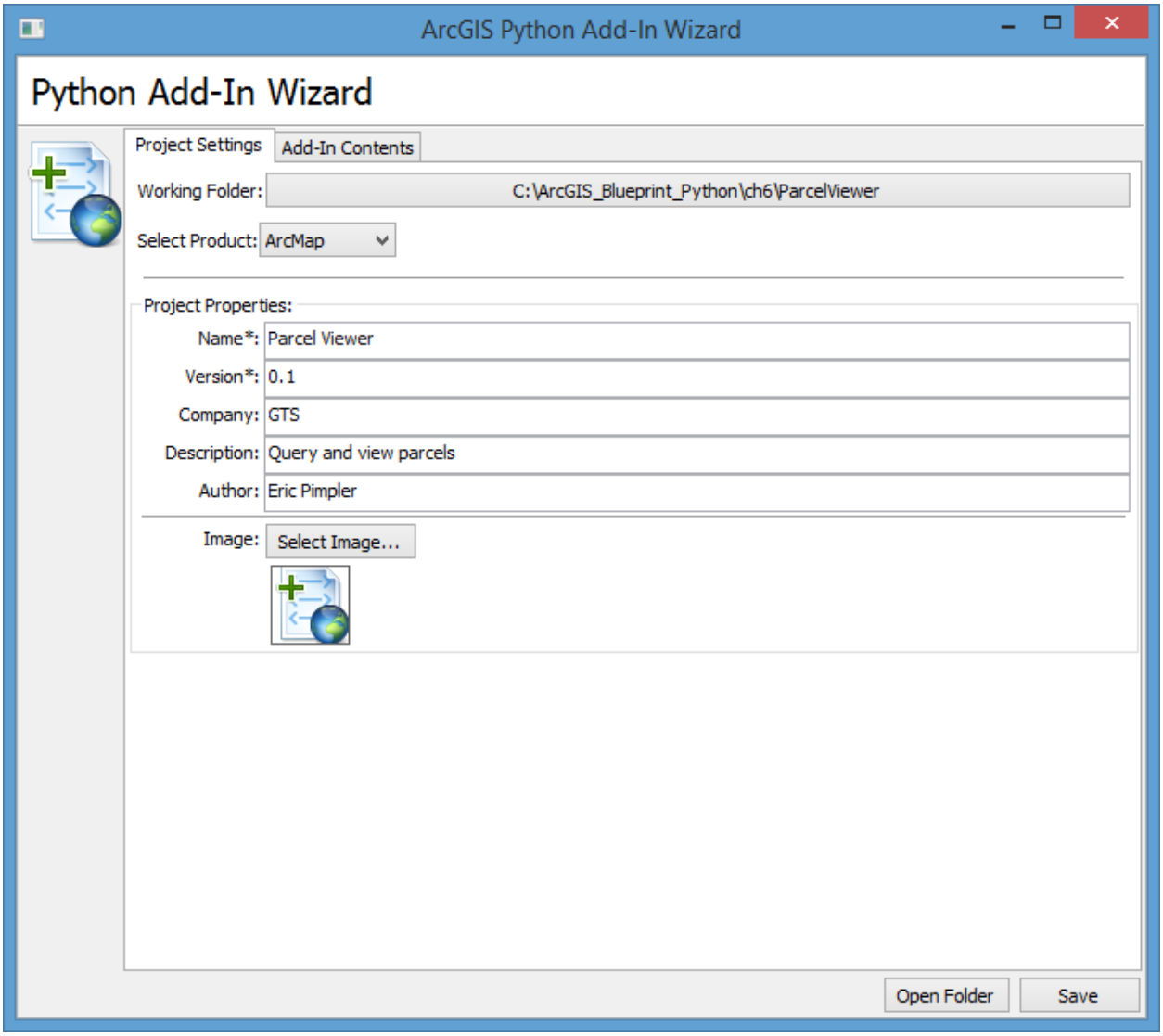
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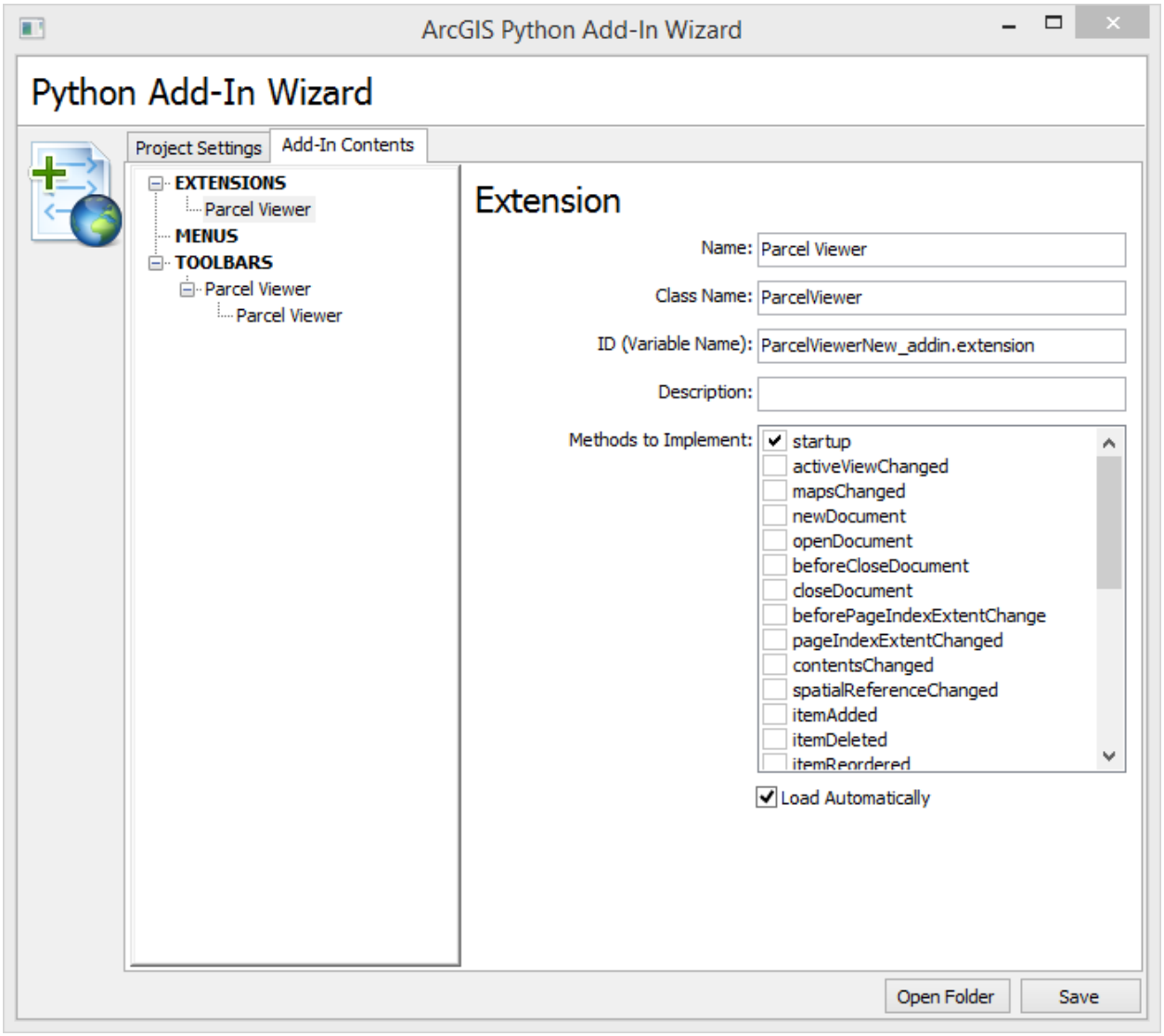
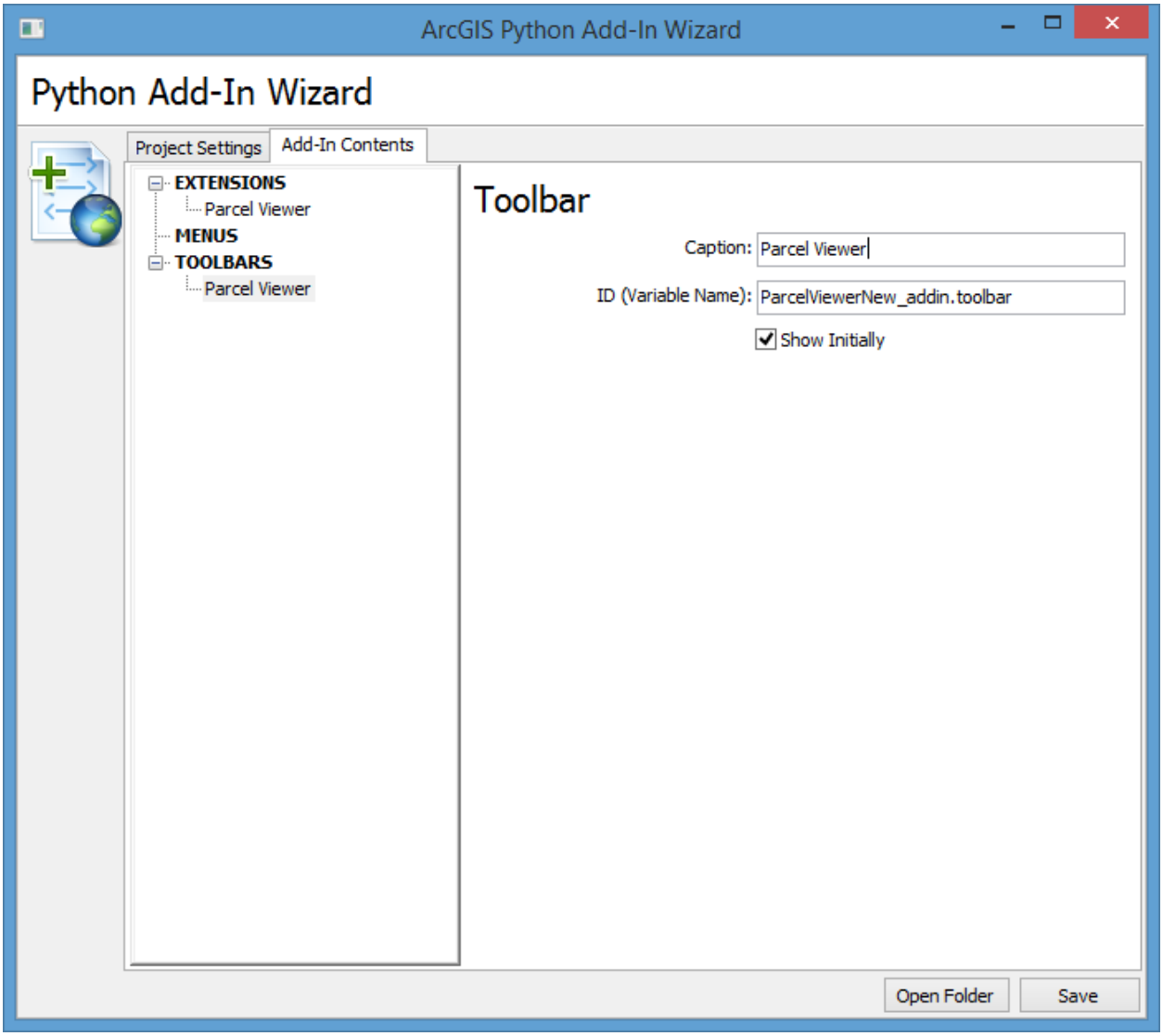
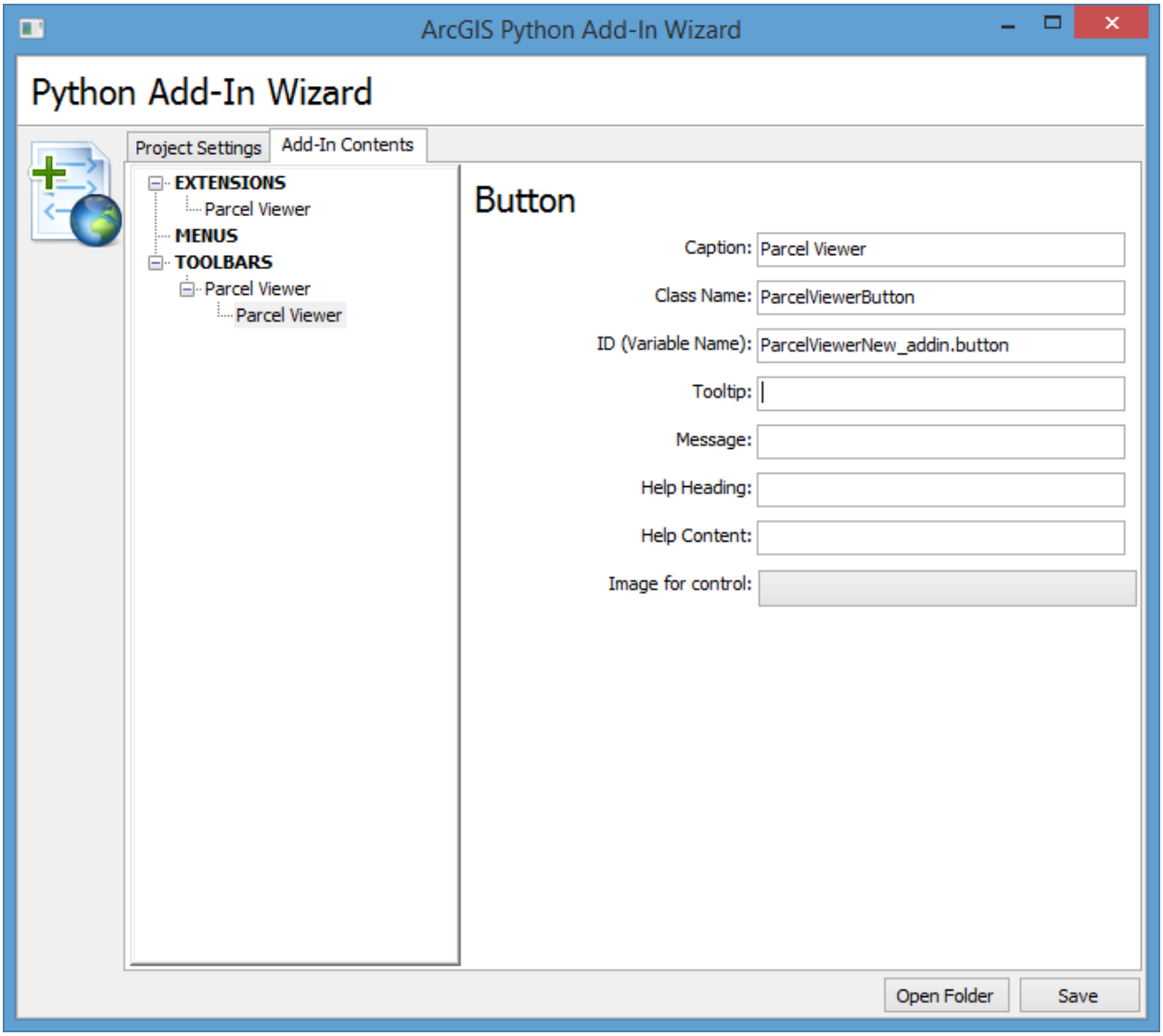
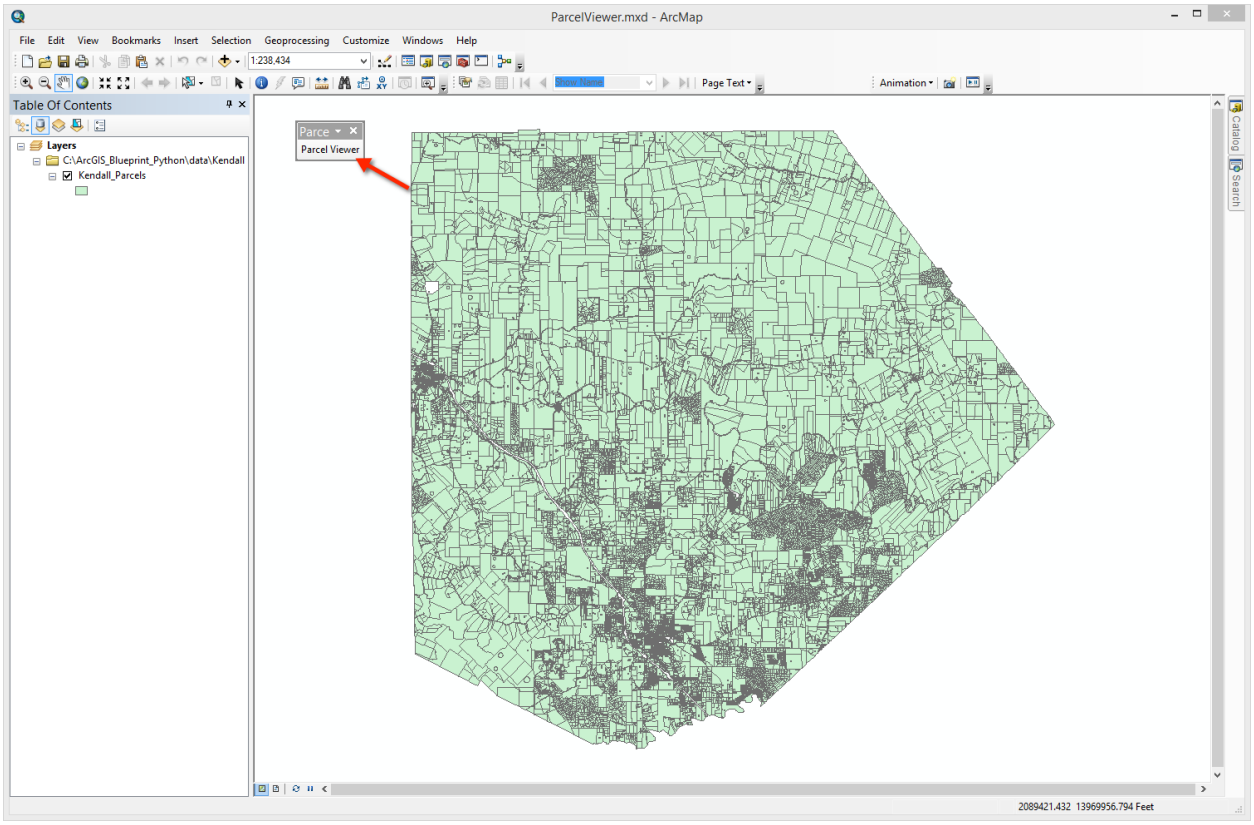
Python Add-In Wizard
Project Settings
Add-In Contents
Working Folder:
C:\ArcGIS_Blueprint_Python\ch6\ParcelViewer
Select Product:
ArcMap
Project Properties:
Name*:
Parcel Viewer
Version*:
0.1
Company:
GTS
Description:
Query and view parcels
Author:
Eric Pimpler
Image:
Select Image...
Open Folder
Save


ArcGIS Python Add-In Wizard
Python Add-In Wizard
Project Settings
Add-In Contents
EXTENSIONS
Parcel Viewer
MENUS
TOOLBARS
Parcel Viewer
Parcel Viewer
Extension
Name: Parcel Viewer
Class Name: ParcelViewer
ID (Variable Name): ParcelViewerNew_addin.extension
Description:
Methods to Implement:
startup
activeViewChanged
mapsChanged
newDocument
openDocument
beforeCloseDocument
closeDocument
beforePageIndexExtentChange
pageIndexExtentChanged
contentsChanged
spatialReferenceChanged
itemAdded
itemDeleted
itemReordered
Load Automatically
Open Folder
Save


ArcGIS Python Add-In Wizard
Python Add-In Wizard
Project Settings
Add-In Contents
EXTENSIONS
Parcel Viewer
MENUS
TOOLBARS
Parcel Viewer
Toolbar
Caption: Parcel Viewer
ID (Variable Name): ParcelViewerNew_addin.toolbar
Show Initially
Open Folder
Save


ArcGIS Python Add-In Wizard
Python Add-In Wizard
Project Settings
Add-In Contents
EXTENSIONS
Parcel Viewer
MENUS
TOOLBARS
Parcel Viewer
Parcel Viewer
Button
Caption: Parcel Viewer
Class Name: ParcelViewerButton
ID (Variable Name): ParcelViewerNew_addin.button
Tooltip:
Message:
Help Heading:
Help Content:
Image for control:
Open Folder
Save


ParcelViewer.mxd - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
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Kendall_Parcels
Parce
Parcel Viewer
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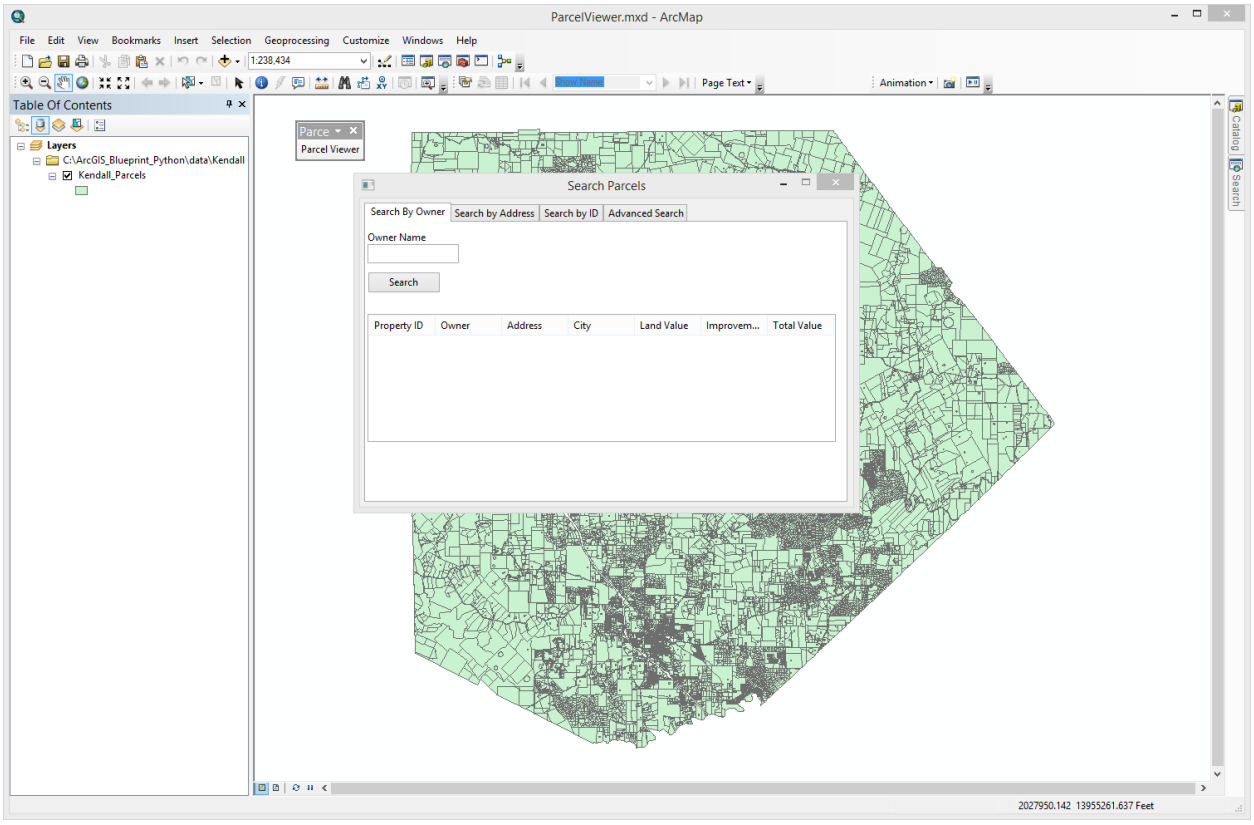
ParcelViewer.mxd - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
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C:\ArcGIS_Blueprint_Python\data\Kendall
Kendall_Parcels
Parce
Parcel Viewer
Search Parcels
Search By Owner
Search by Address
Search by ID
Advanced Search
Owner Name
Search
Property ID
Owner
Address
City
Land Value
Improvem...
Total Value
2027950.142 13955261.637 Feet

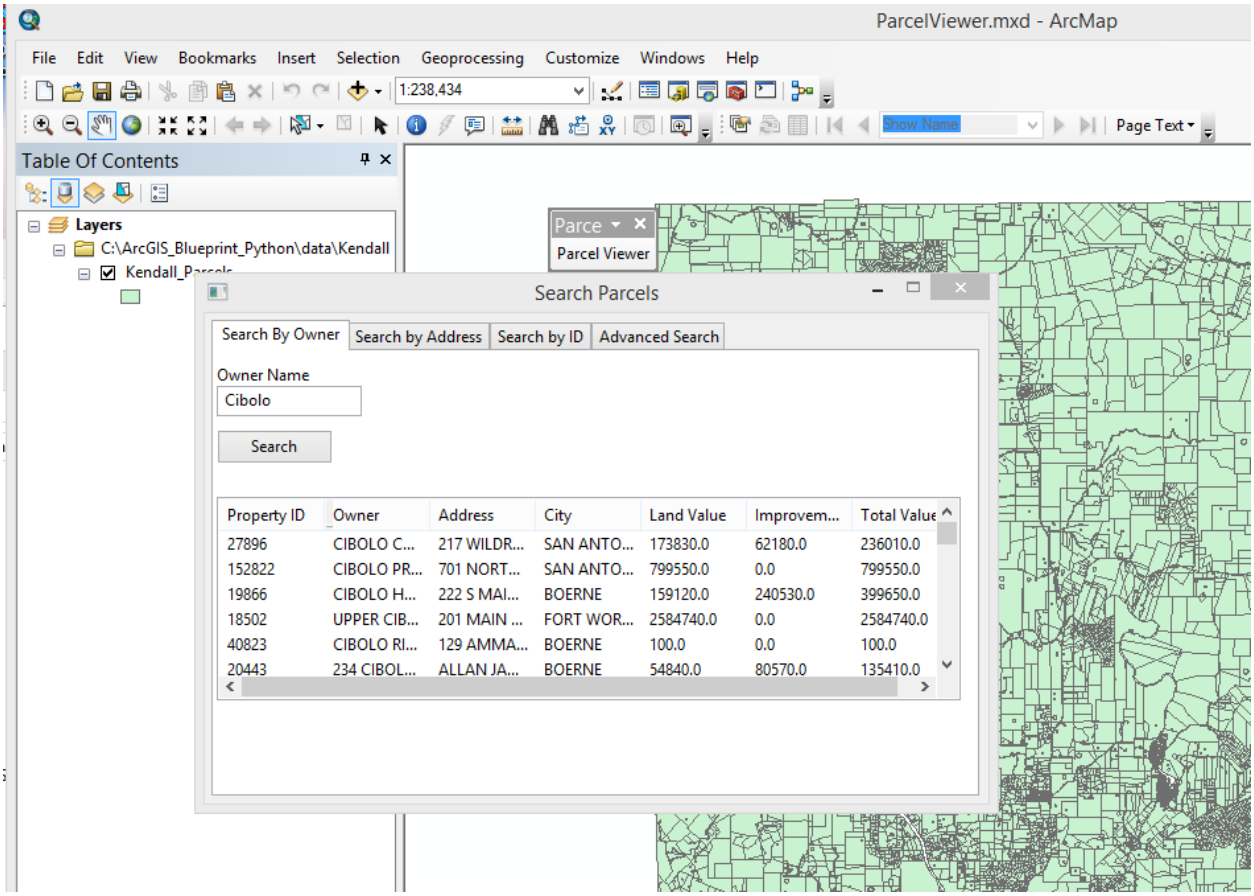
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Table Of Contents
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Kendall_Parcels
Parce
Parcel Viewer
Search Parcels
Search By Owner
Search by Address
Search by ID
Advanced Search
Owner Name
Cibolo
Search
Property ID Owner Address City Land Value Improvem... Total Value
27896 CIBOLO C... 217 WILDR... SAN ANTO... 173830.0 62180.0 236010.0
152822 CIBOLO PR... 701 NORT... SAN ANTO... 799550.0 0.0 799550.0
19866 CIBOLO H... 222 S MAI... BOERNE 159120.0 240530.0 399650.0
18502 UPPER CIB... 201 MAIN ... FORT WOR... 2584740.0 0.0 2584740.0
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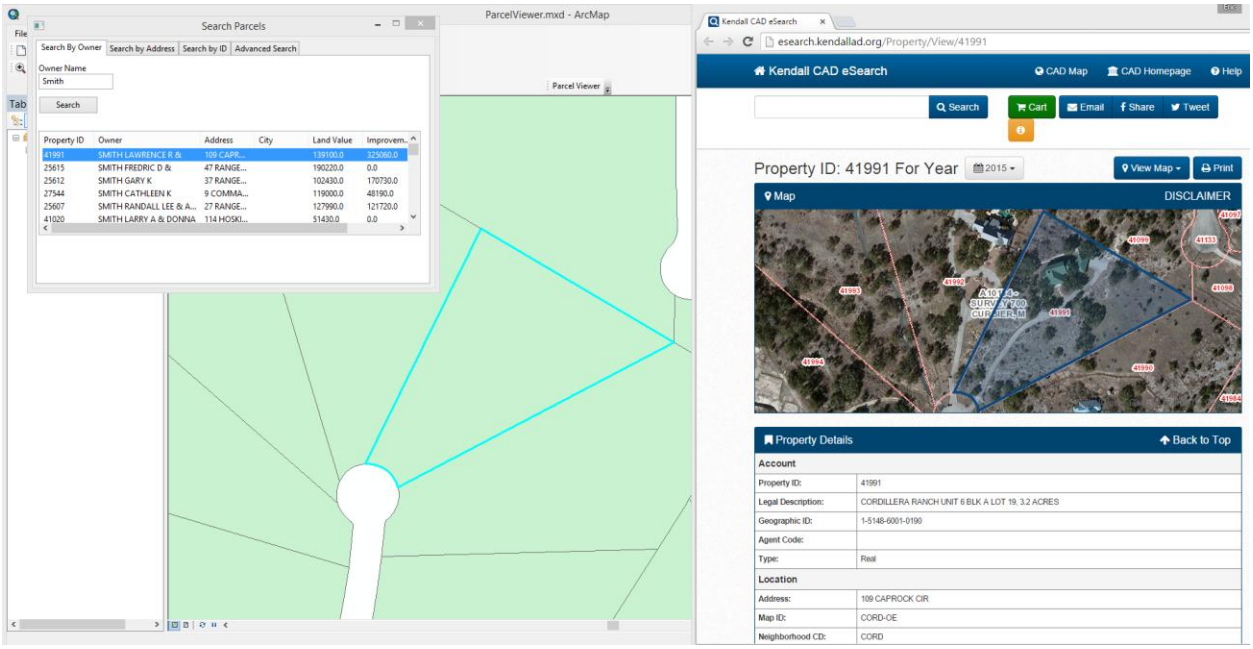
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ParcelViewer.mxd - ArcMap
Kendall CAD eSearch
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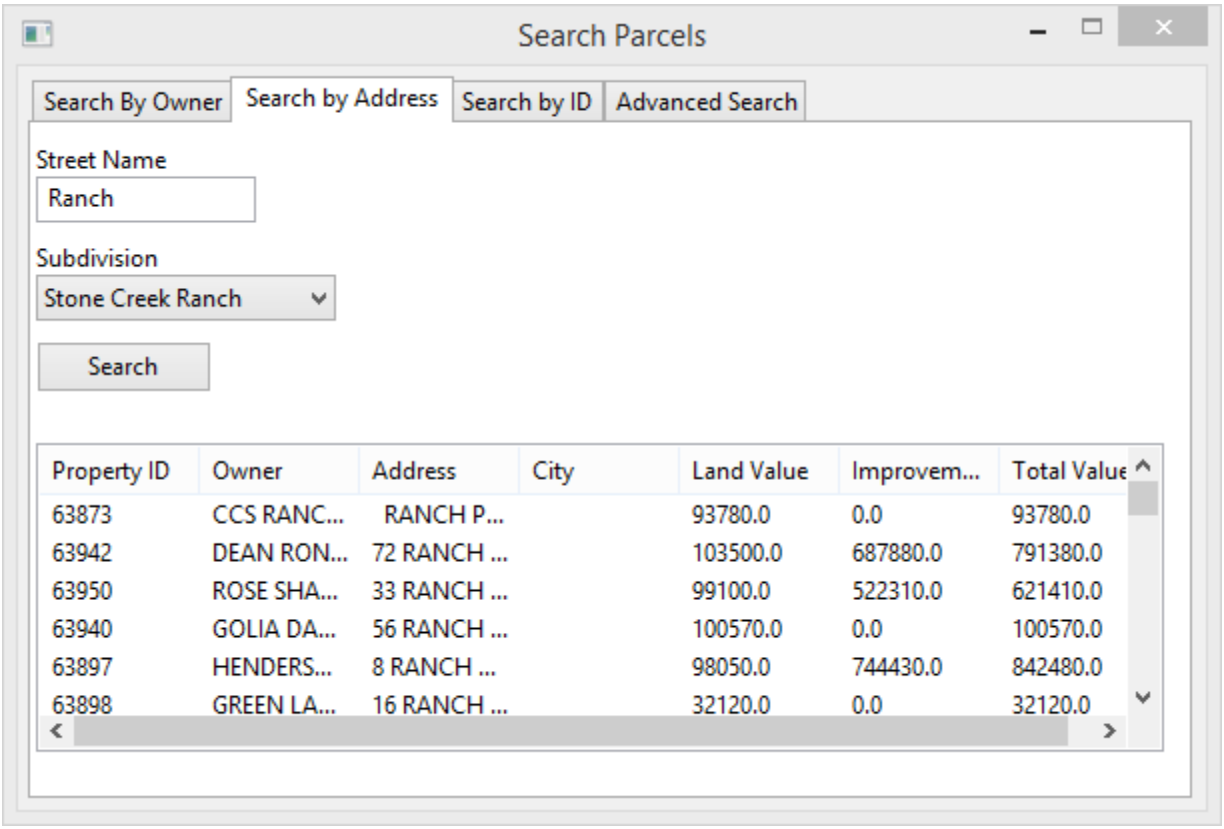
Kendall CAD eSearch
CAD Map
CAD Homepage
Help
Search
Cart
Email
Share
Tweet
Property ID: 41991 For Year
2015
View Map
Print
Map
DISCLAIMER
Property Details
Back to Top
Account
Property ID: 41991
Legal Description: CORDILLERA RANCH UNIT 6 BLK A LOT 19; 3.2 ACRES
Geographic ID: 1-5148-6001-0190
Agent Code:
Type: Real
Location
Address: 109 CAPROCK CIR
Map ID: CORD-OE
Neighborhood CD: CORD


Search Parcels
Search By Owner
Search by Address
Search by ID
Advanced Search
Street Name
Ranch
Subdivision
Stone Creek Ranch
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Property ID
Owner
Address
City
Land Value
Improvem...
Total Value
63873
CCS RANC...
RANCH P...
93780.0
0.0
93780.0
63942
DEAN RON...
72 RANCH ...
103500.0
687880.0
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63950
ROSE SHA...
33 RANCH ...
99100.0
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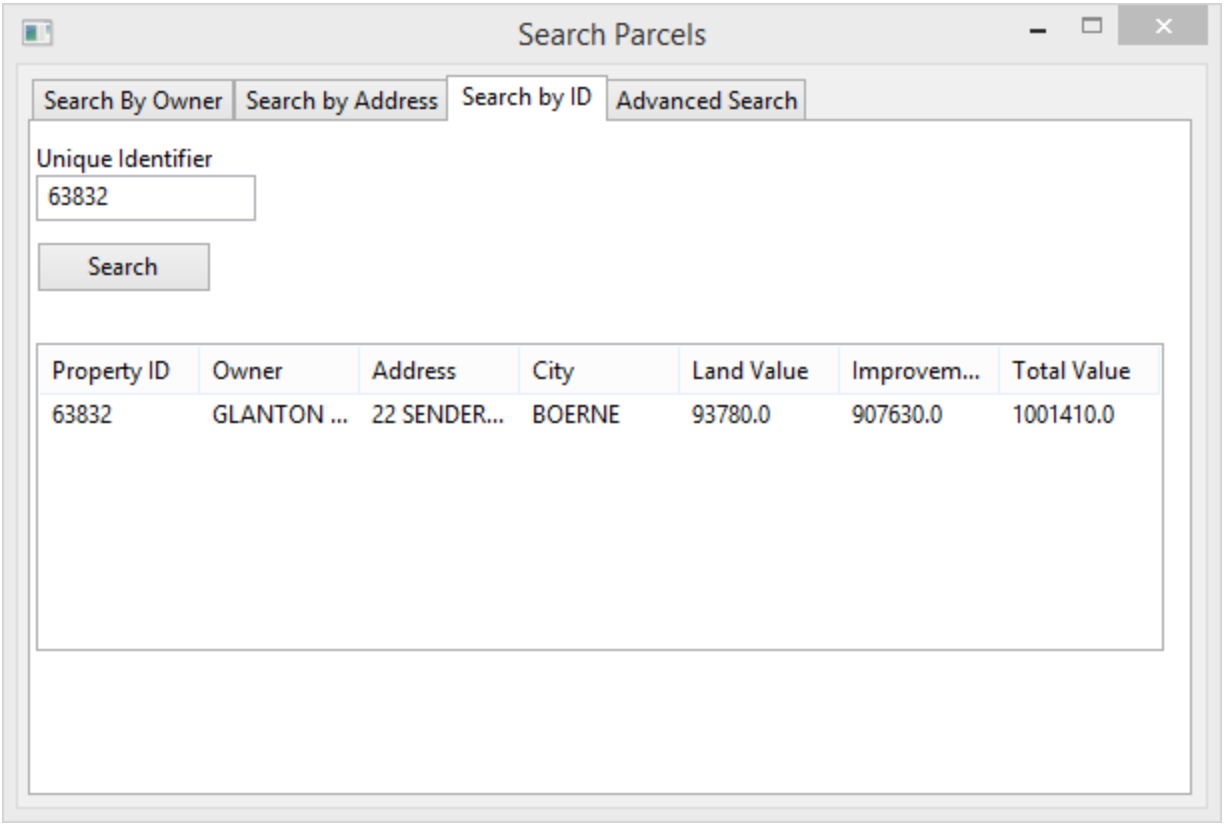
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Search By Owner
Search by Address
Search by ID
Advanced Search
Unique Identifier
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Search
Property ID
Owner
Address
City
Land Value
Improvem...
Total Value
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22 SENDER...
BOERNE
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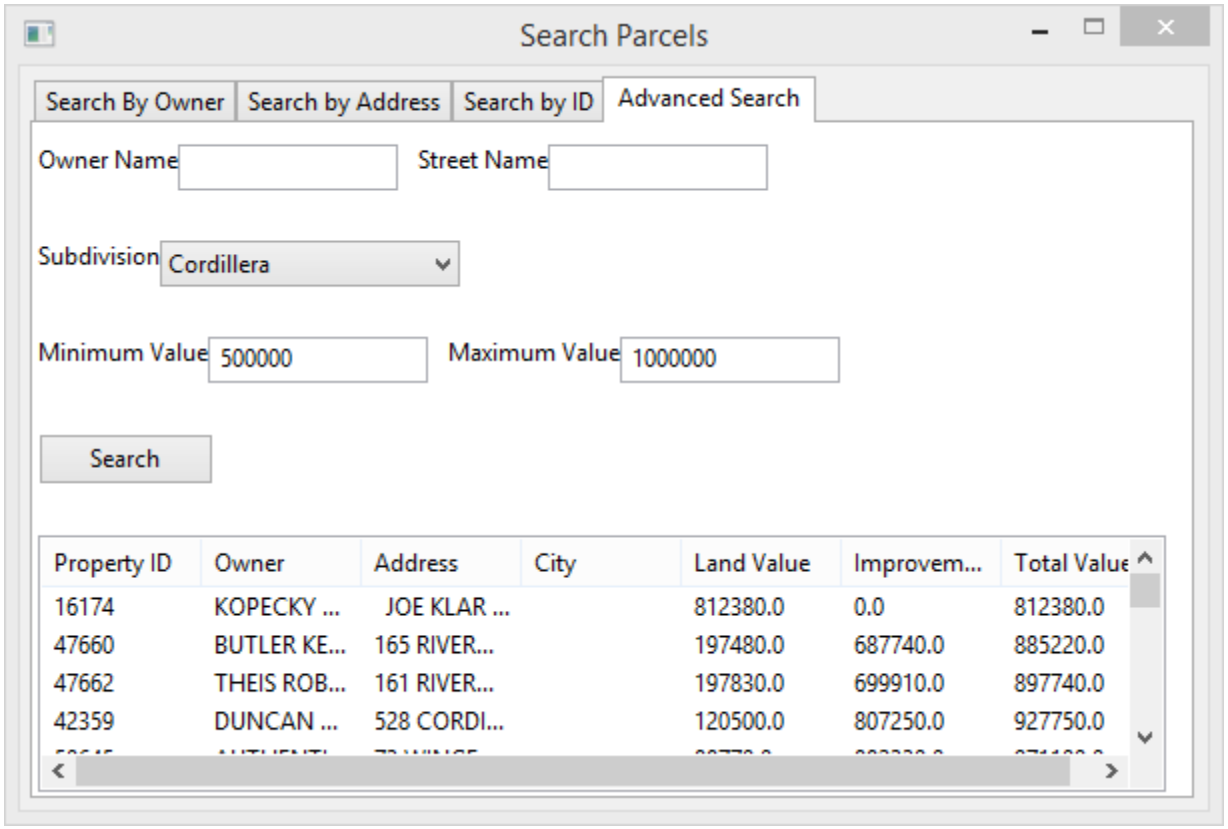
Search Parcels
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Search by Address
Search by ID
Advanced Search
Owner Name
Street Name
Subdivision
Cordillera
Minimum Value
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Maximum Value
1000000
Search
Property ID
Owner
Address
City
Land Value
Improvem...
Total Value
16174
KOPECKY ...
JOE KLAR ...
812380.0
0.0
812380.0
47660
BUTLER KE...
165 RIVER...
197480.0
687740.0
885220.0
47662
THEIS ROB...
161 RIVER...
197830.0
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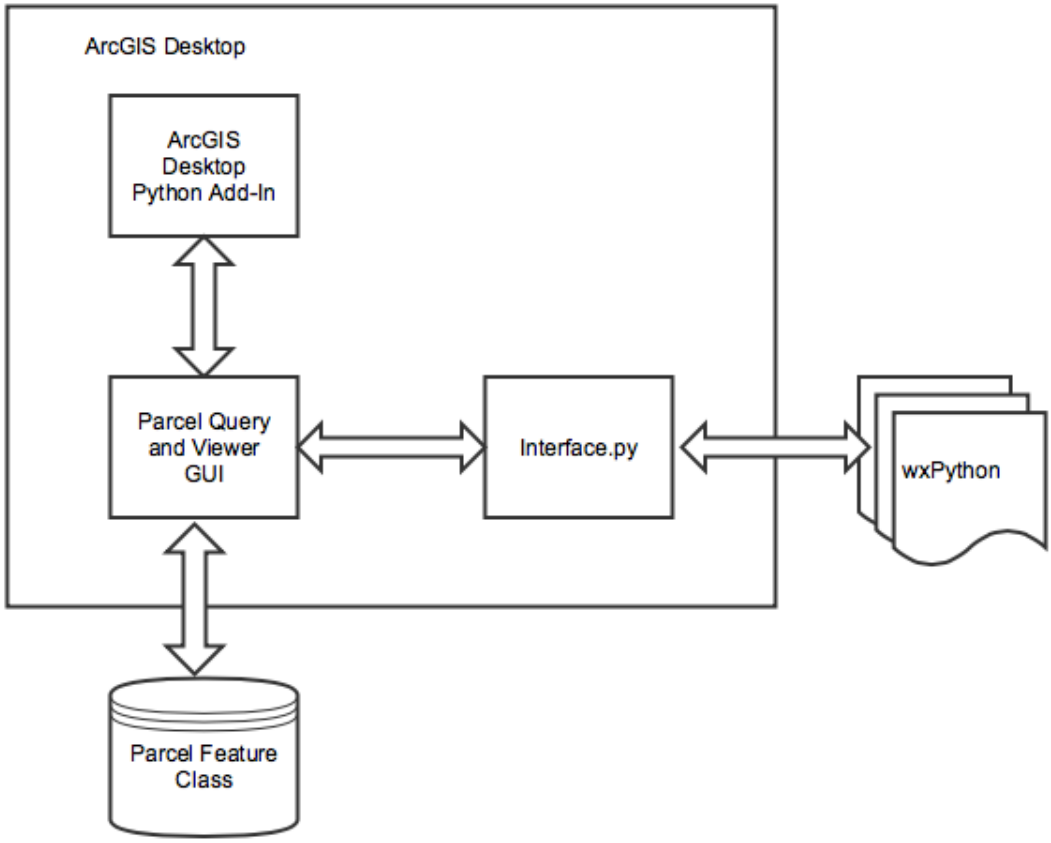
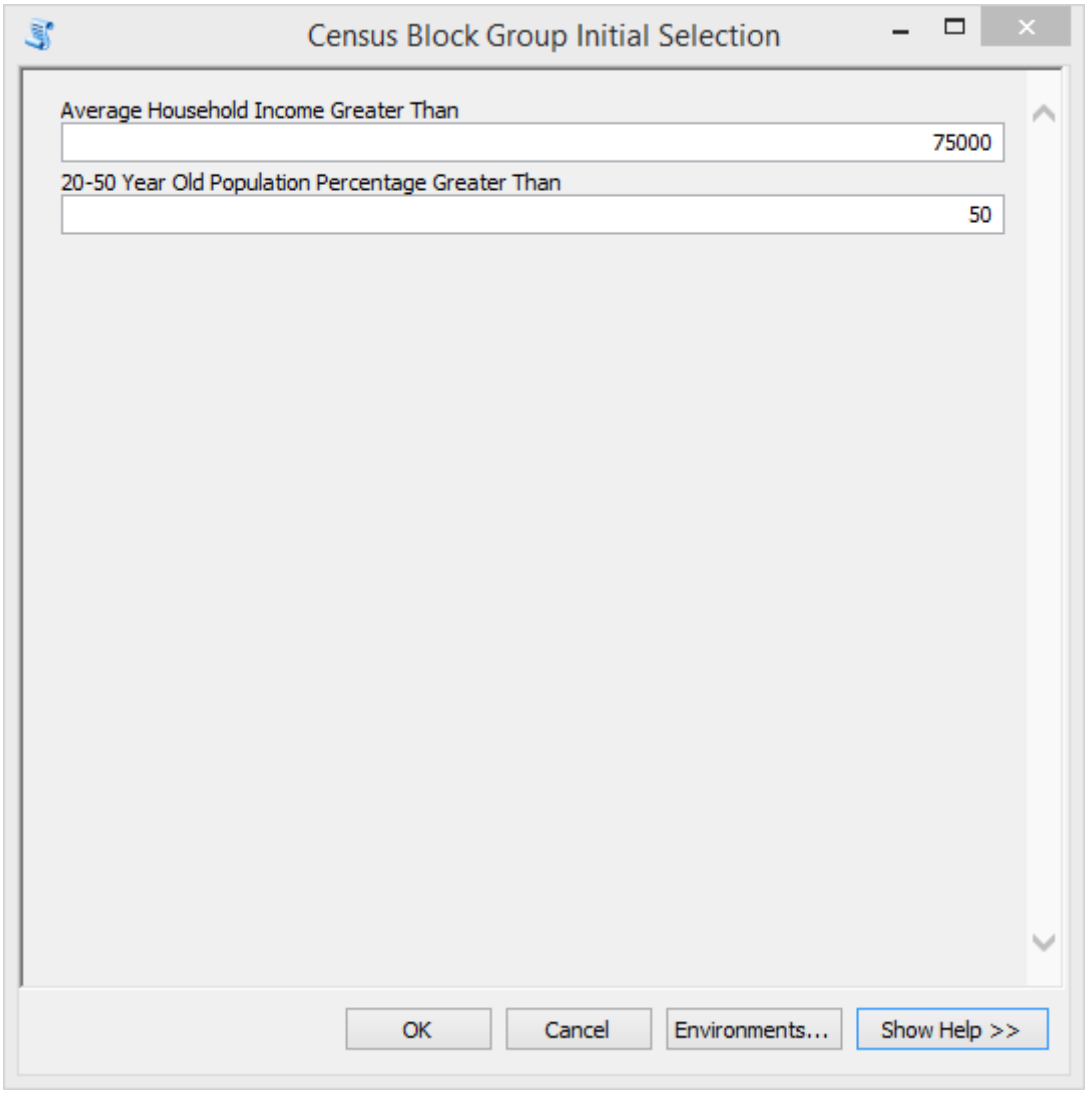
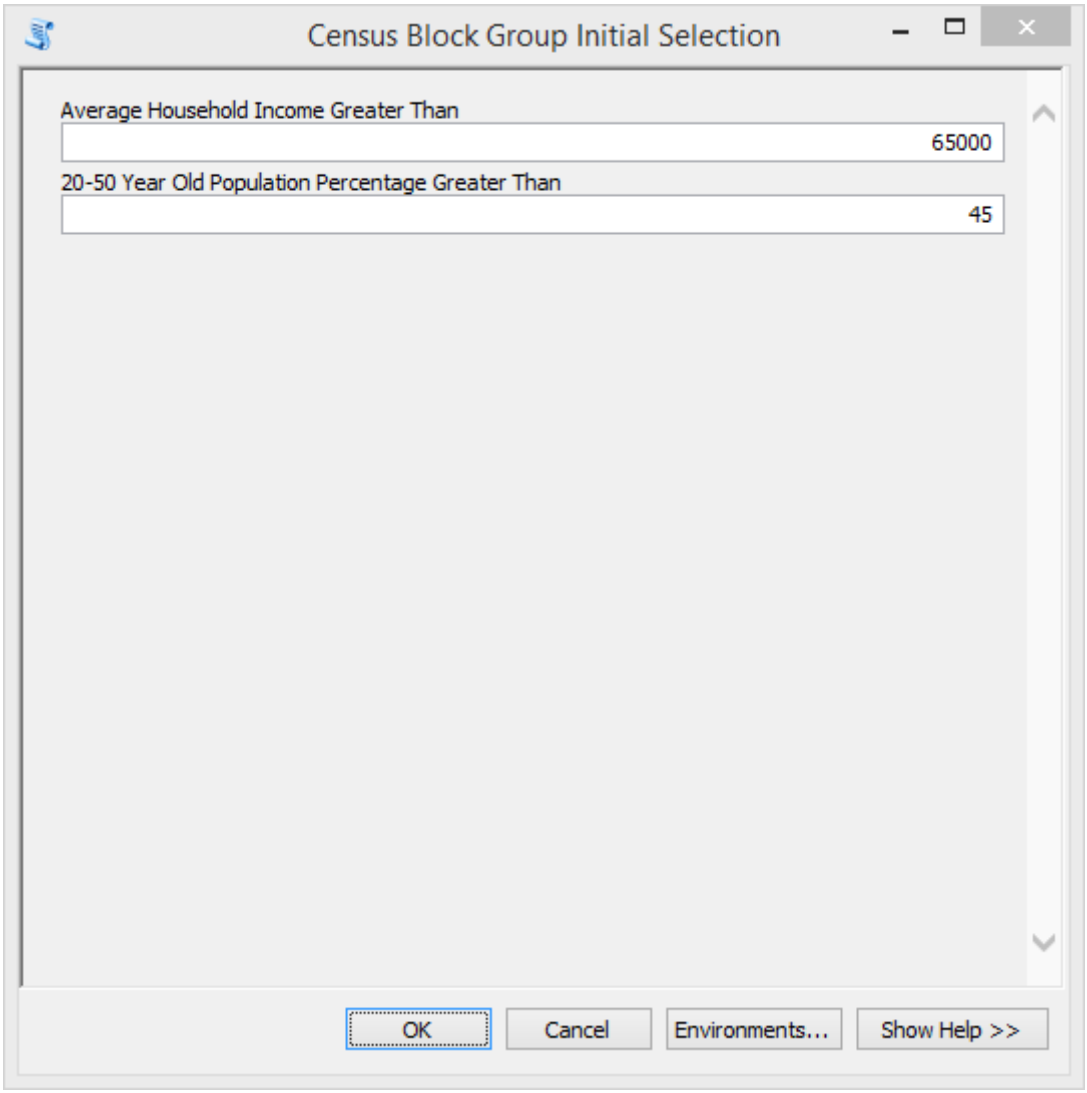

ArcGIS Desktop
ArcGIS Desktop Python Add-In
Parcel Query and Viewer GUI
Interface.py
wxPython
Parcel Feature Class

Chapter 7


Census Block Group Initial Selection
Average Household Income Greater Than
75000
20-50 Year Old Population Percentage Greater Than
50
OK
Cancel
Environments...
Show Help >>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20-50 Year Old Population Percentage Greater Than
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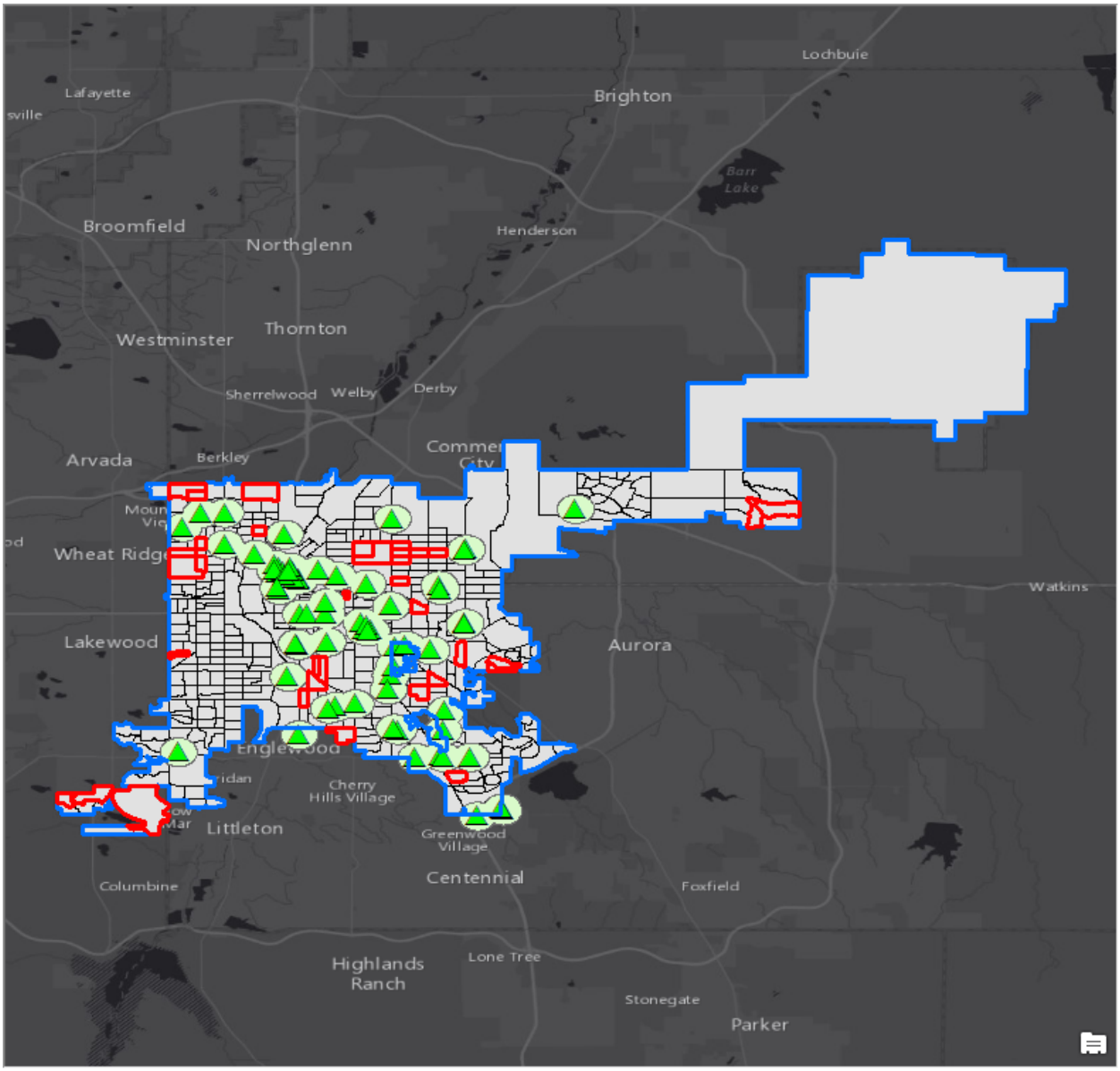
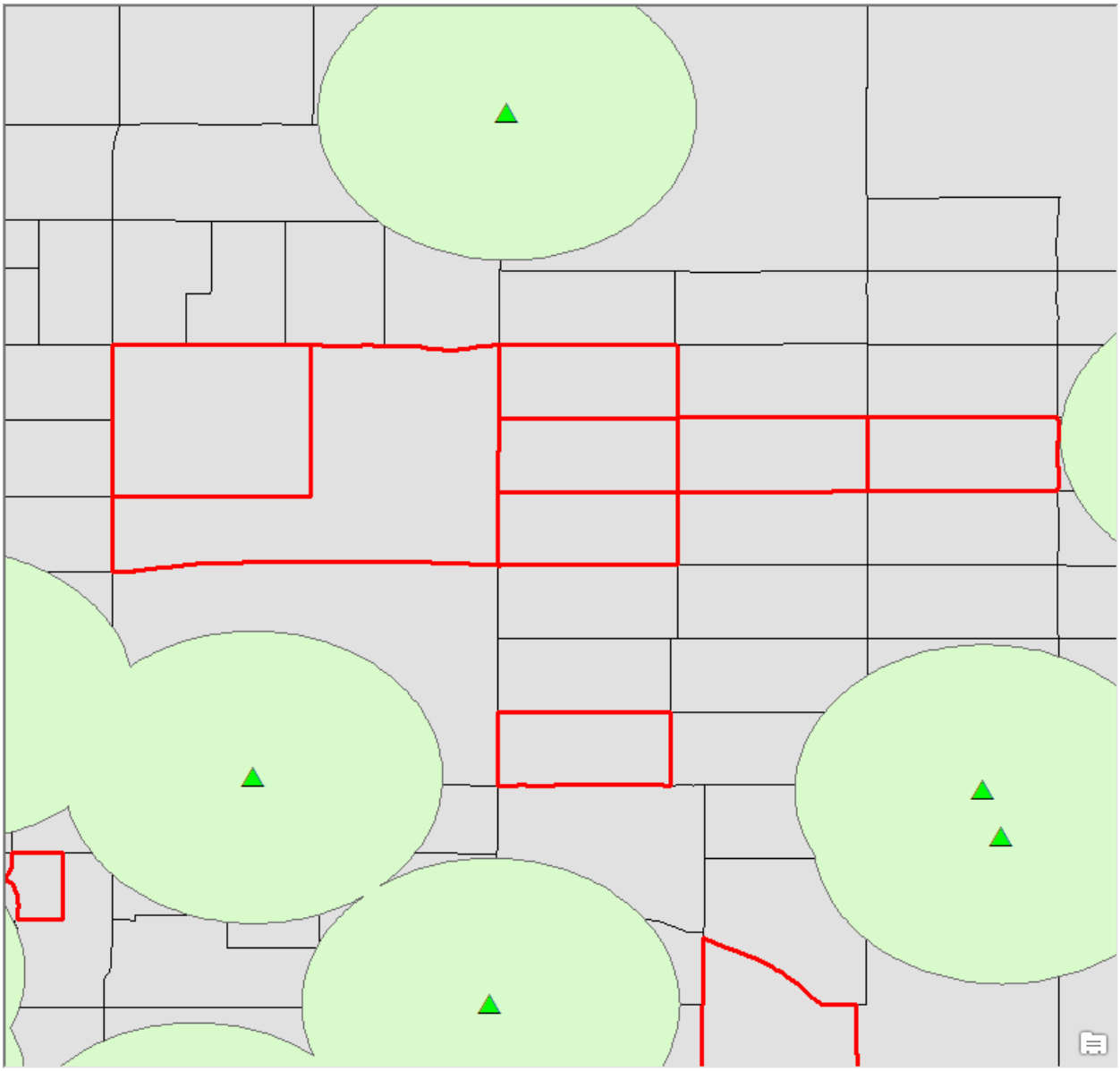
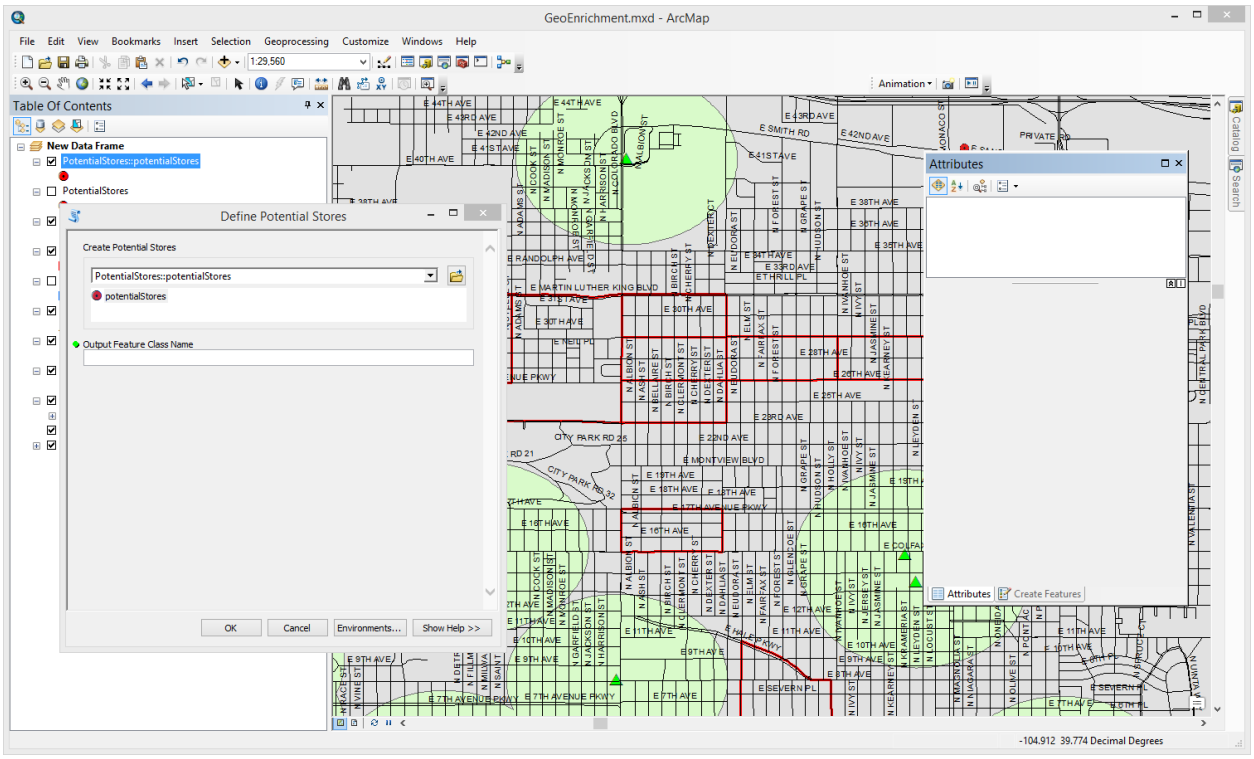
Environments...
Show Help >>


Lochbuie
Lafayette
Brighton
Barr Lake
Broomfield
Northglenn
Henderson
Westminster
Thornton
Sherrelwood
Welby
Derby
Arvada
Berkley
Wheat Ridge
Watkins
Lakewood
Aurora
Englewood
Cherry Hills Village
Littleton
Greenwood Village
Centennial
Columbine
Foxfield
Highlands Ranch
Lone Tree
Stonegate
Parker




GeoEnrichment.mxd - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
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New Data Frame
PotentialStores::potentialStores
PotentialStores
Define Potential Stores
Create Potential Stores
PotentialStores::potentialStores
potentialStores
Output Feature Class Name
OK
Cancel
Environments...
Show Help >>
Attributes
Create Features
-104.912 39.774 Decimal Degrees

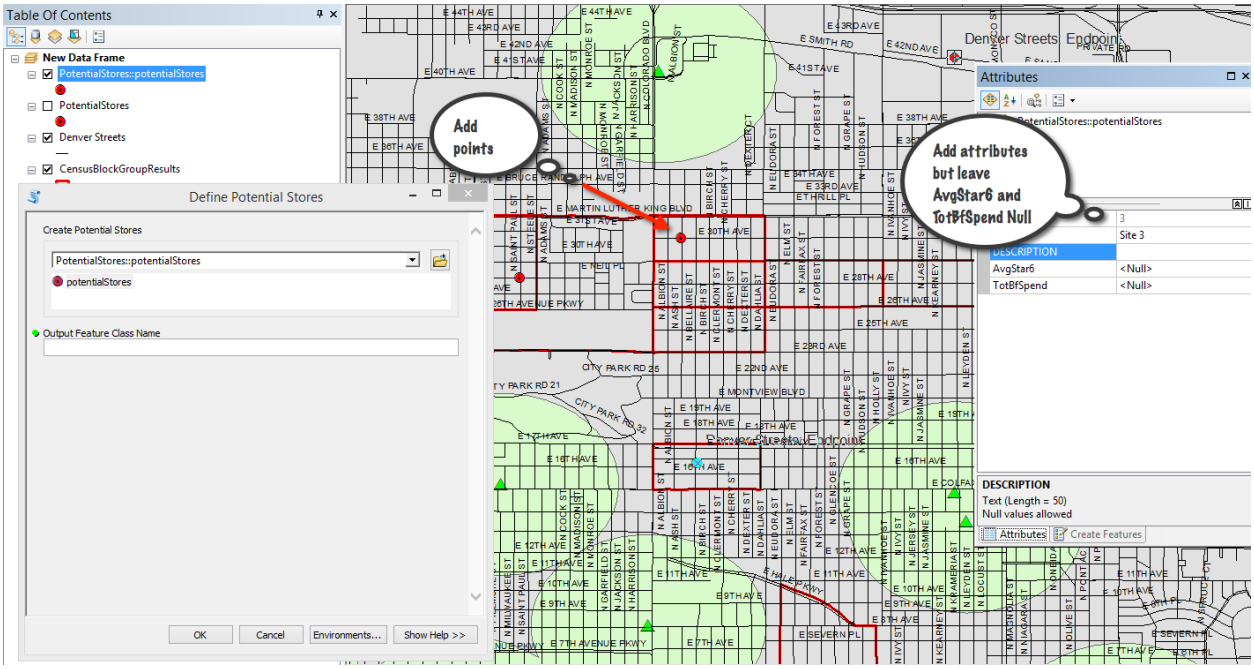
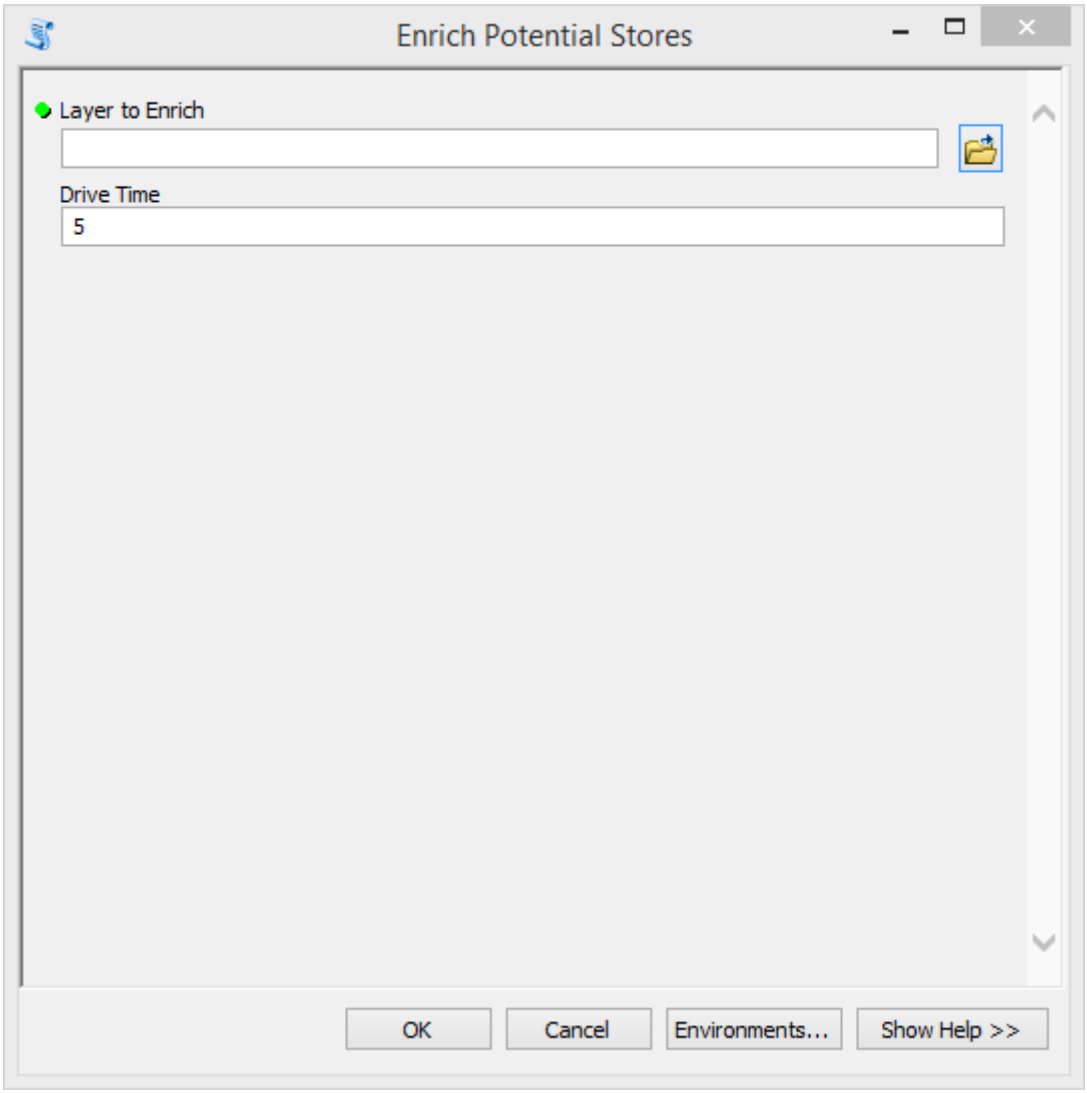


Table Of Contents
New Data Frame
PotentialStores::potentialStores
PotentialStores
Denver Streets
CensusBlockGroupResults
Define Potential Stores
Create Potential Stores
PotentialStores::potentialStores
potentialStores
Output Feature Class Name
OK
Cancel
Environments...
Show Help >>
Add points
Add attributes but leave AvgStar6 and TotBfSpend Null
Denver Streets Endpoint
Attributes
PotentialStores::potentialStores
FID 3
Shape Site 3
DESCRIPTION
AvgStar6 <Null>
TotBfSpend <Null>
DESCRIPTION
Text (Length = 50)
Null values allowed
Attributes
Create Features



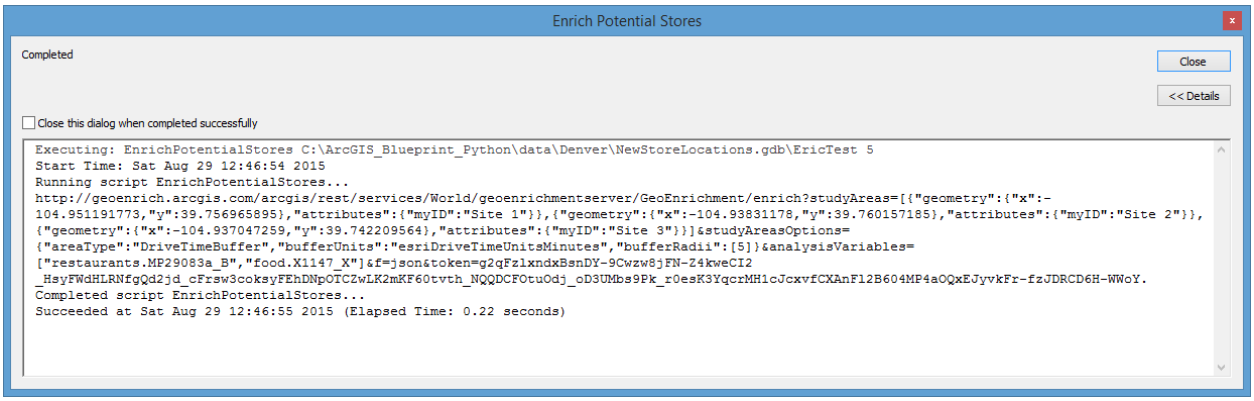
Table

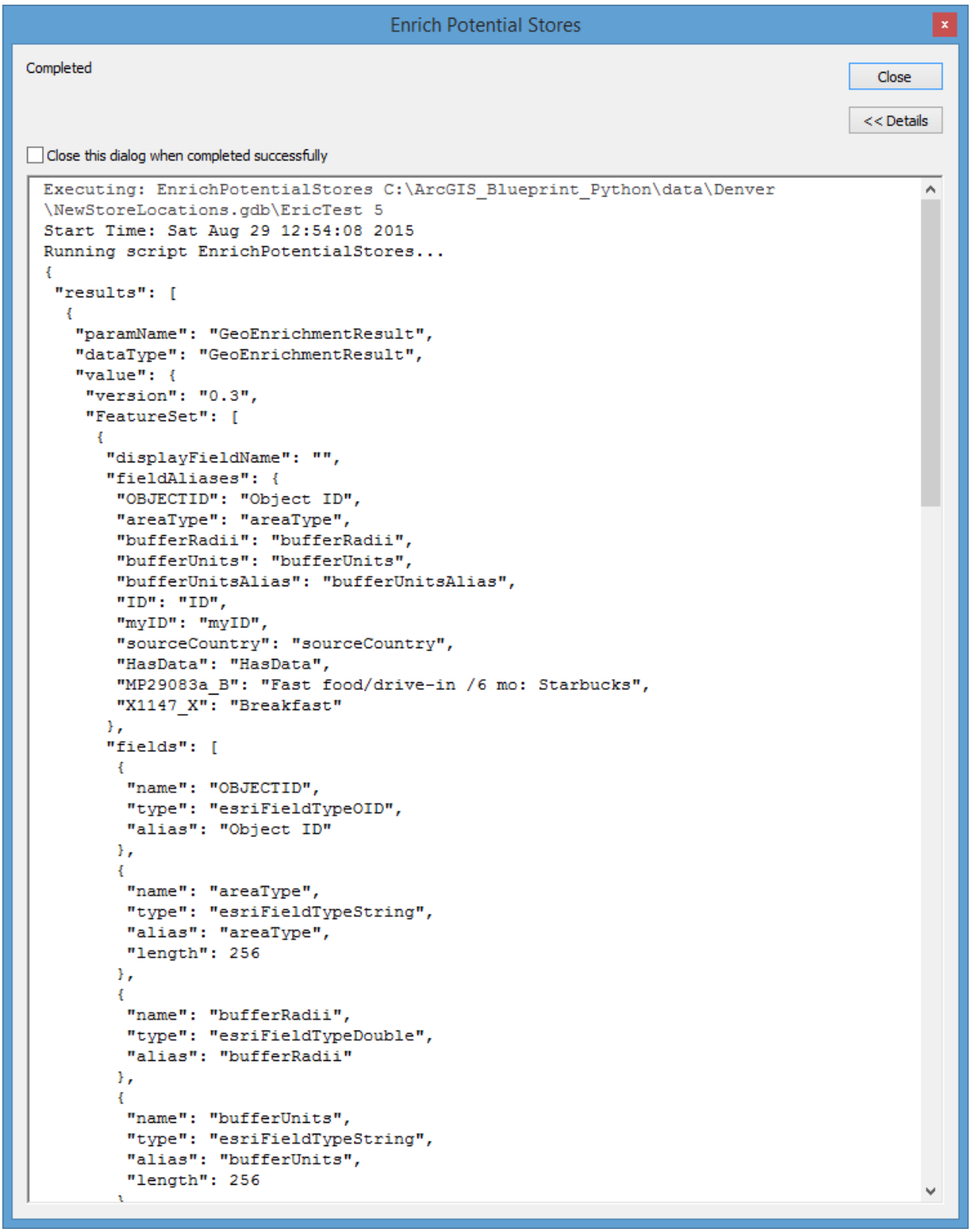
Potential Coffee Stores Sites

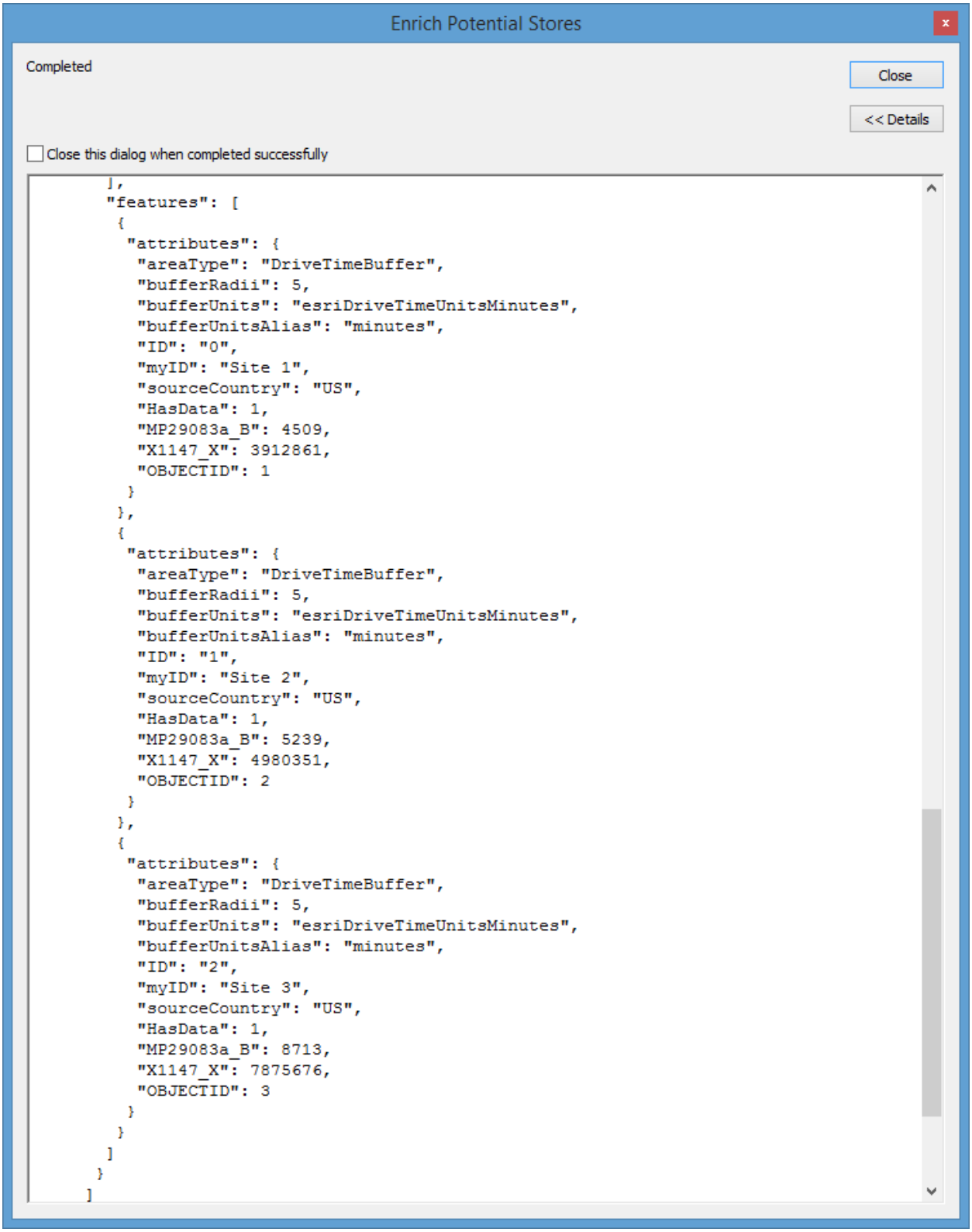
OBJECTID *	SHAPE *	NAME	DESCRIPTION	AvgStar6	TotBfSpend
1	Point	Site 1	Near a major shopping area	4509	3912861
2	Point	Site 2	<Null>	5239	4980351
3	Point	Site 3	<Null>	8713	7875676

1 (0 out of 3 Selected)

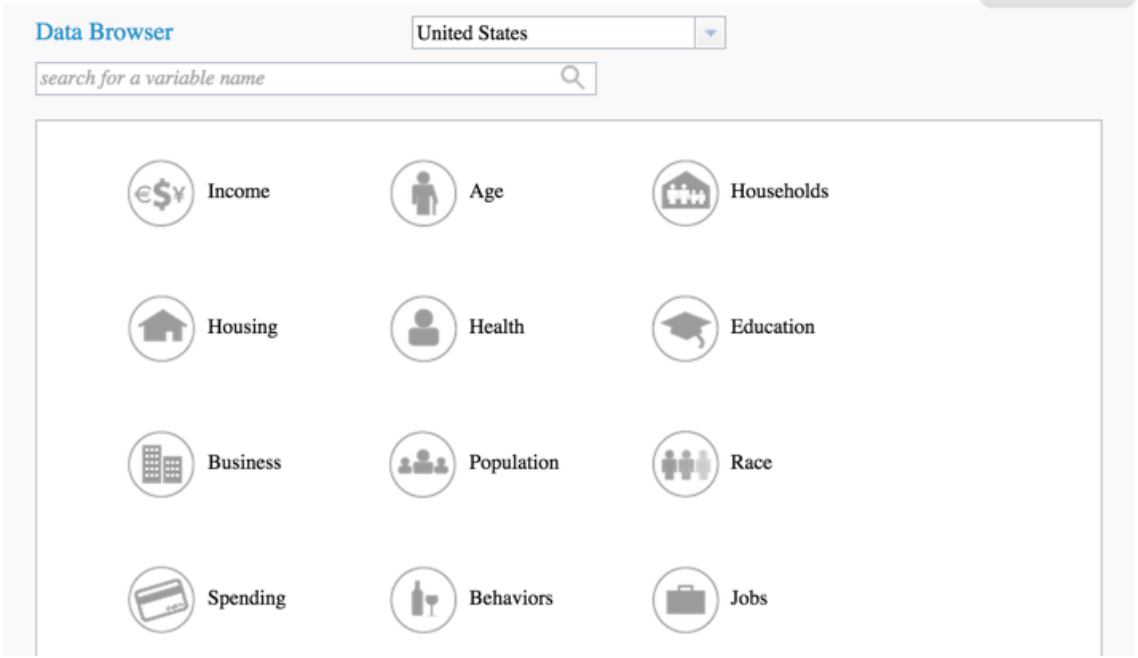
Potential Coffee Stores Sites

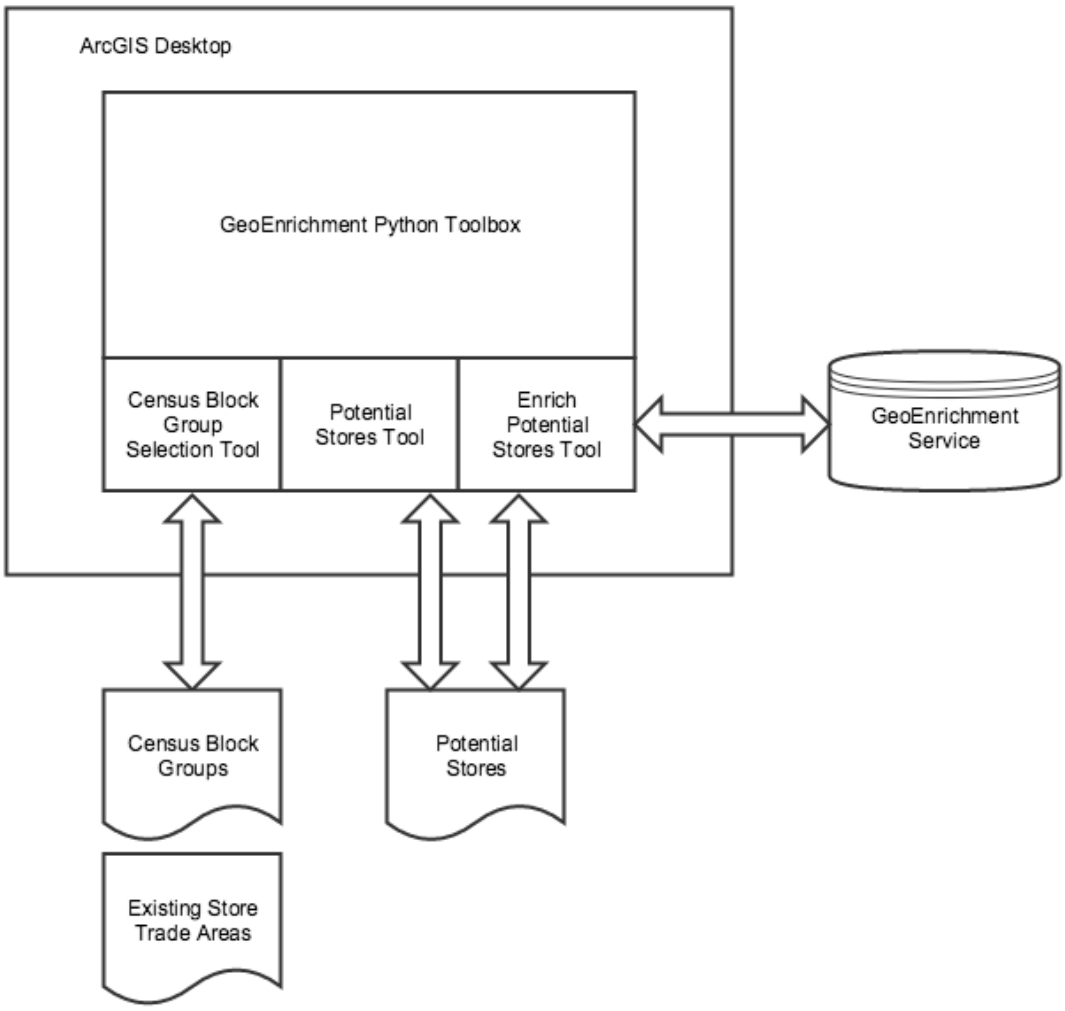

Enrich Potential Stores
Completed
Close
<< Details
Close this dialog when completed successfully
Executing: EnrichPotentialStores C:\ArcGIS_Blueprint_Python\data\Denver\NewStoreLocations.gdb\EricTest 5
Start Time: Sat Aug 29 12:46:54 2015
Running script EnrichPotentialStores...
http://geoenrich.arcgis.com/arcgis/rest/services/World/geoenrichmentserver/GeoEnrichment/enrich?studyAreas=[{"geometry":{"x":-
104.951191773,"y":39.756965895},"attributes":{"myID":"Site 1"}},{"geometry":{"x":-104.93831178,"y":39.760157185},"attributes":{"myID":"Site 2"}},
{"geometry":{"x":-104.937047259,"y":39.742209564},"attributes":{"myID":"Site 3"}}]&studyAreasOptions=
{"areaType":"DriveTimeBuffer","bufferUnits":"esriDriveTimeUnitsMinutes","bufferRadii":[5]}&analysisVariables=
["restaurants.MP29083a_B","food.X1147_X"]&f=json&token=g2qFzlxndxBsnDY-9Cwzw8jFN-Z4kweCI2
_HsyFWdHLRNfgQd2jd_cFrsw3coksyFEhDNpOTCZwLK2mKF60tvth_NQQDCFOtuOdj_oD3UMbs9Pk_r0esK3YqcrMH1cJcxvfCXAnF12B604MP4aOQxEJyvkFr-fzJDRCD6H-WWoY.
Completed script EnrichPotentialStores...
Succeeded at Sat Aug 29 12:46:55 2015 (Elapsed Time: 0.22 seconds)


Enrich Potential Stores
Completed
Close
<< Details
Close this dialog when completed successfully
Executing: EnrichPotentialStores C:\ArcGIS_Blueprint_Python\data\Denver
\NewStoreLocations.gdb\EricTest 5
Start Time: Sat Aug 29 12:54:08 2015
Running script EnrichPotentialStores...
{
"results": [
{
"paramName": "GeoEnrichmentResult",
"dataType": "GeoEnrichmentResult",
"value": {
"version": "0.3",
"FeatureSet": [
{
"displayFieldName": "",
"fieldAliases": {
"OBJECTID": "Object ID",
"areaType": "areaType",
"bufferRadii": "bufferRadii",
"bufferUnits": "bufferUnits",
"bufferUnitsAlias": "bufferUnitsAlias",
"ID": "ID",
"myID": "myID",
"sourceCountry": "sourceCountry",
"HasData": "HasData",
"MP29083a_B": "Fast food/drive-in /6 mo: Starbucks",
"X1147_X": "Breakfast"
},
"fields": [
{
"name": "OBJECTID",
"type": "esriFieldTypeOID",
"alias": "Object ID"
},
{
"name": "areaType",
"type": "esriFieldTypeString",
"alias": "areaType",
"length": 256
},
{
"name": "bufferRadii",
"type": "esriFieldTypeDouble",
"alias": "bufferRadii"
},
{
"name": "bufferUnits",
"type": "esriFieldTypeString",
"alias": "bufferUnits",
"length": 256

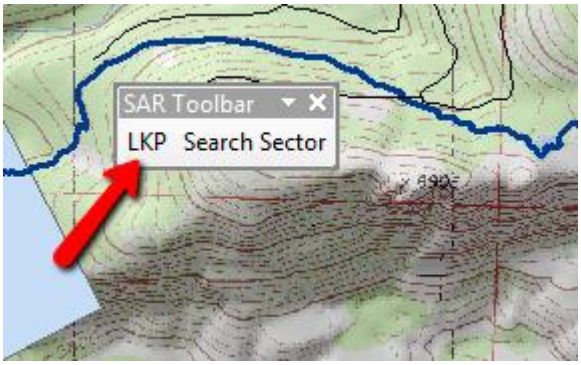

Enrich Potential Stores
Completed
Close
<< Details
Close this dialog when completed successfully
],
"features": [
{
"attributes": {
"areaType": "DriveTimeBuffer",
"bufferRadii": 5,
"bufferUnits": "esriDriveTimeUnitsMinutes",
"bufferUnitsAlias": "minutes",
"ID": "0",
"myID": "Site 1",
"sourceCountry": "US",
"HasData": 1,
"MP29083a_B": 4509,
"X1147_X": 3912861,
"OBJECTID": 1
}
},
{
"attributes": {
"areaType": "DriveTimeBuffer",
"bufferRadii": 5,
"bufferUnits": "esriDriveTimeUnitsMinutes",
"bufferUnitsAlias": "minutes",
"ID": "1",
"myID": "Site 2",
"sourceCountry": "US",
"HasData": 1,
"MP29083a_B": 5239,
"X1147_X": 4980351,
"OBJECTID": 2
}
},
{
"attributes": {
"areaType": "DriveTimeBuffer",
"bufferRadii": 5,
"bufferUnits": "esriDriveTimeUnitsMinutes",
"bufferUnitsAlias": "minutes",
"ID": "2",
"myID": "Site 3",
"sourceCountry": "US",
"HasData": 1,
"MP29083a_B": 8713,
"X1147_X": 7875676,
"OBJECTID": 3
}
}
]
}
]

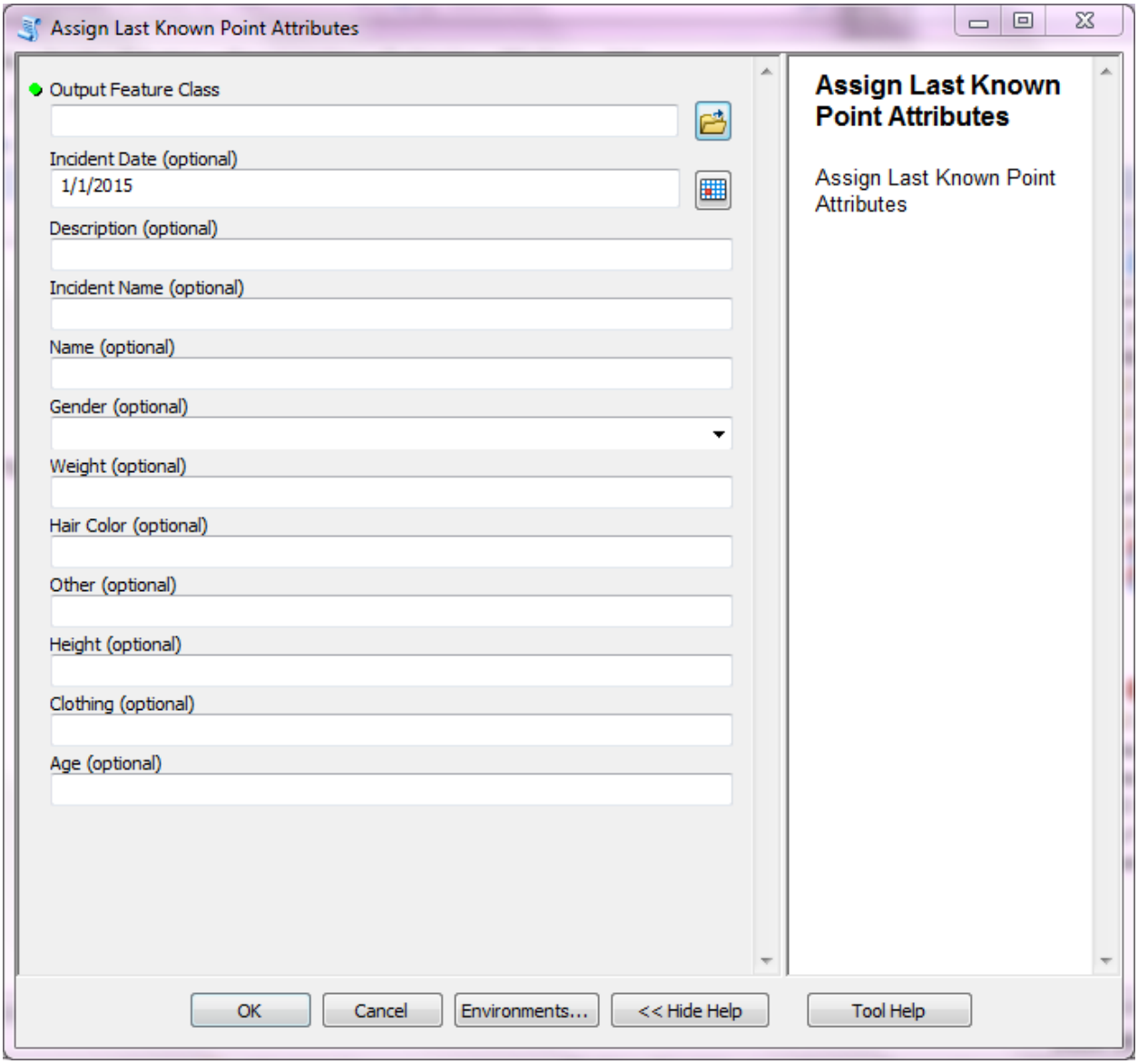
Use the data browser below by selecting a country and then perusing the available categories of data.

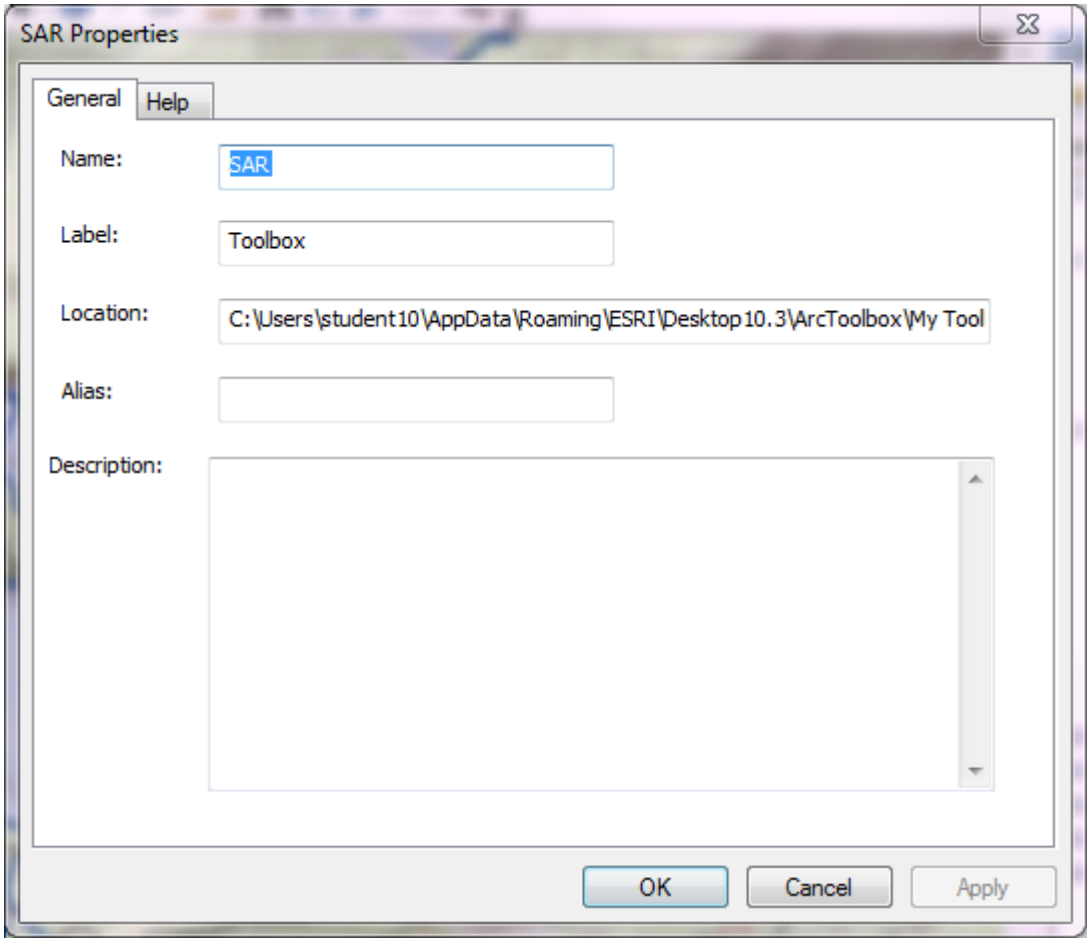


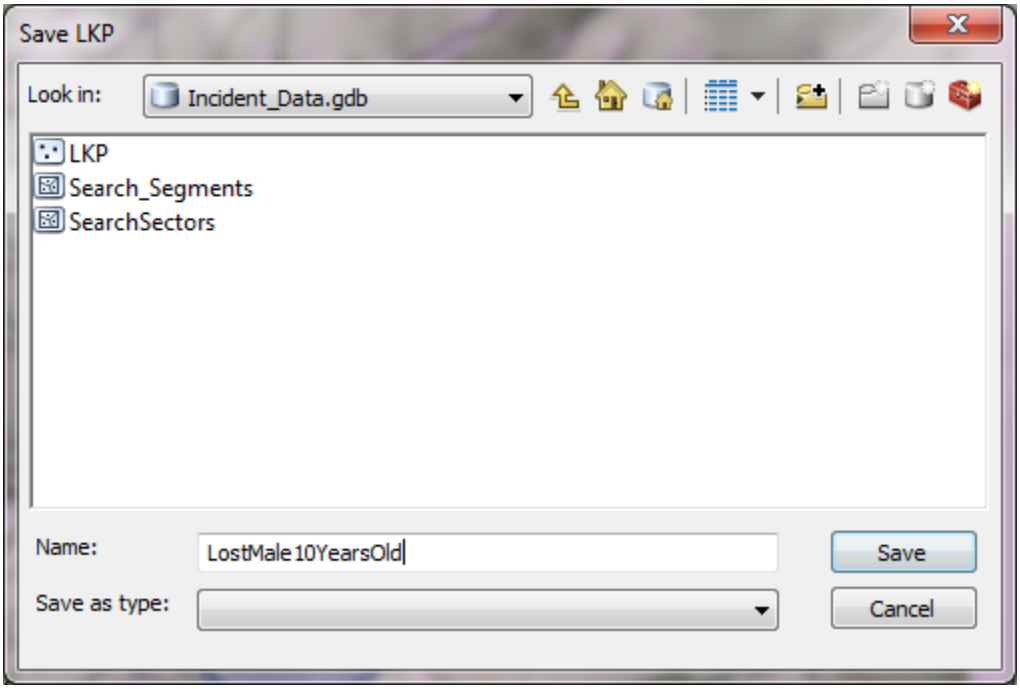

ArcGIS Desktop
GeoEnrichment Python Toolbox
Census Block Group Selection Tool
Potential Stores Tool
Enrich Potential Stores Tool
GeoEnrichment Service
Census Block Groups
Potential Stores
Existing Store Trade Areas

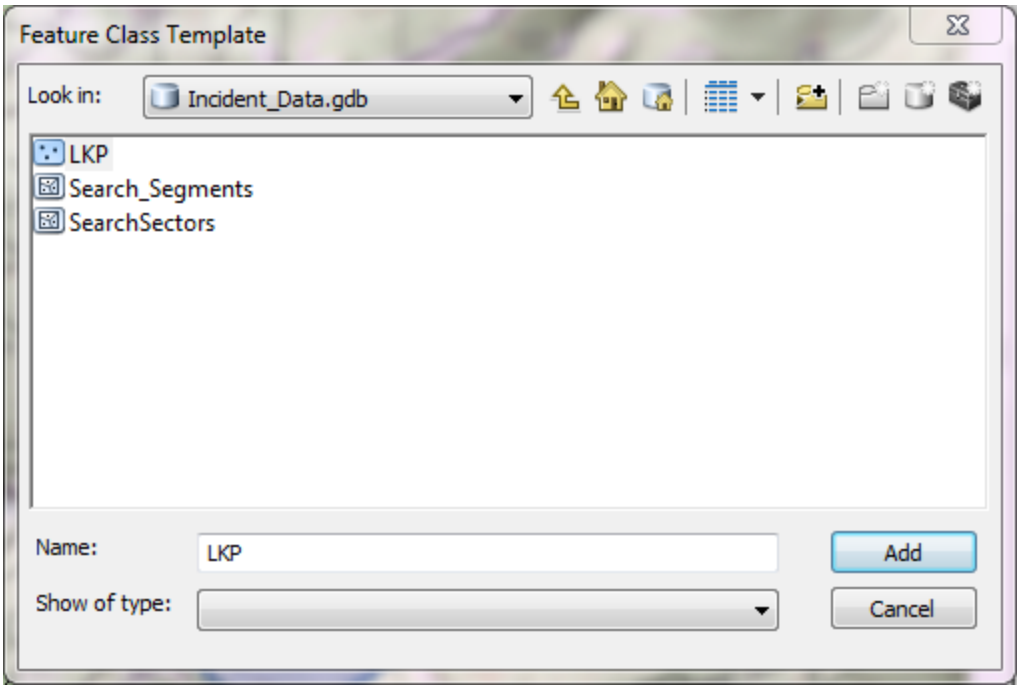
Chapter 8

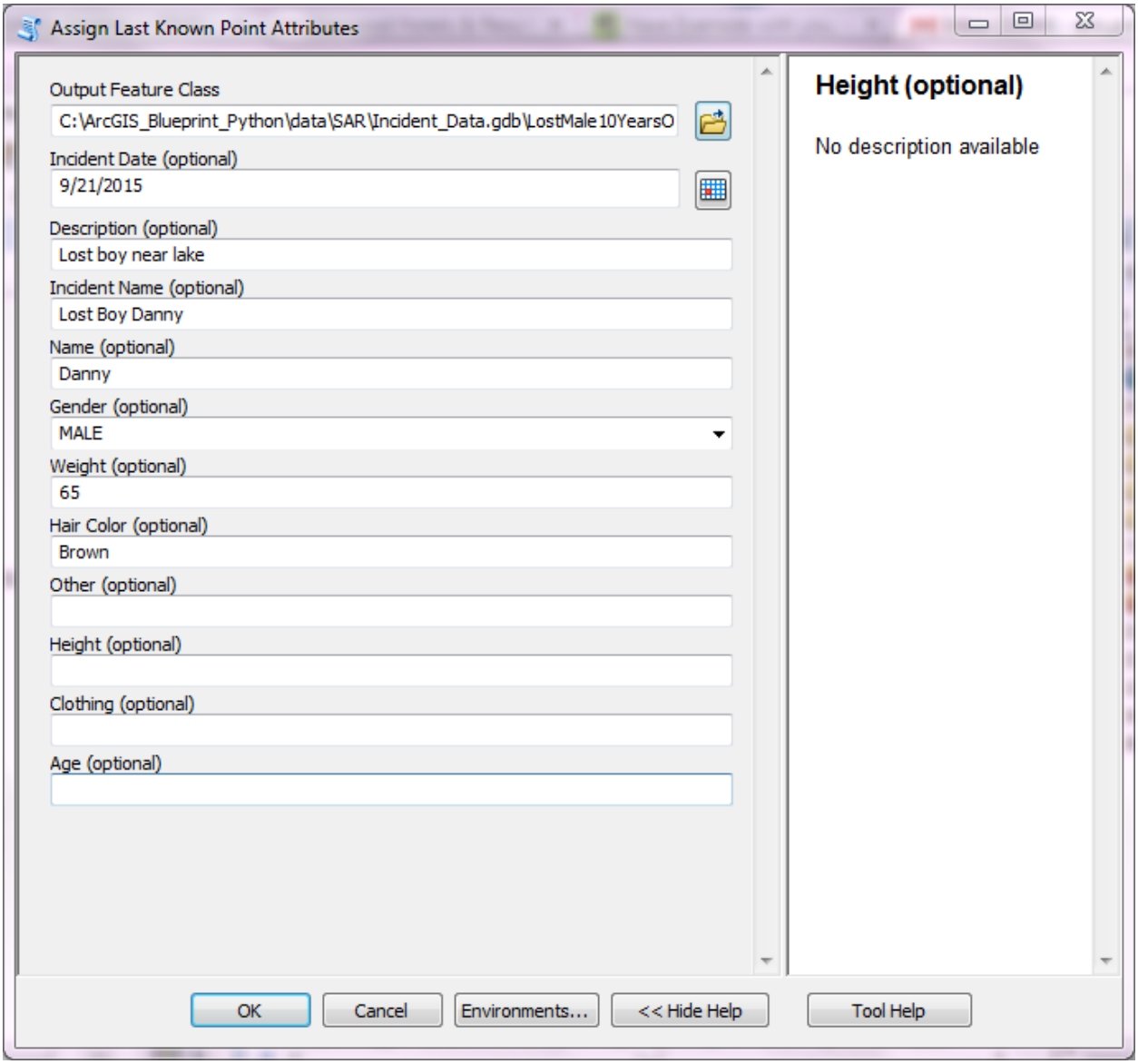

SAR Toolbar
LKP
Search Sector

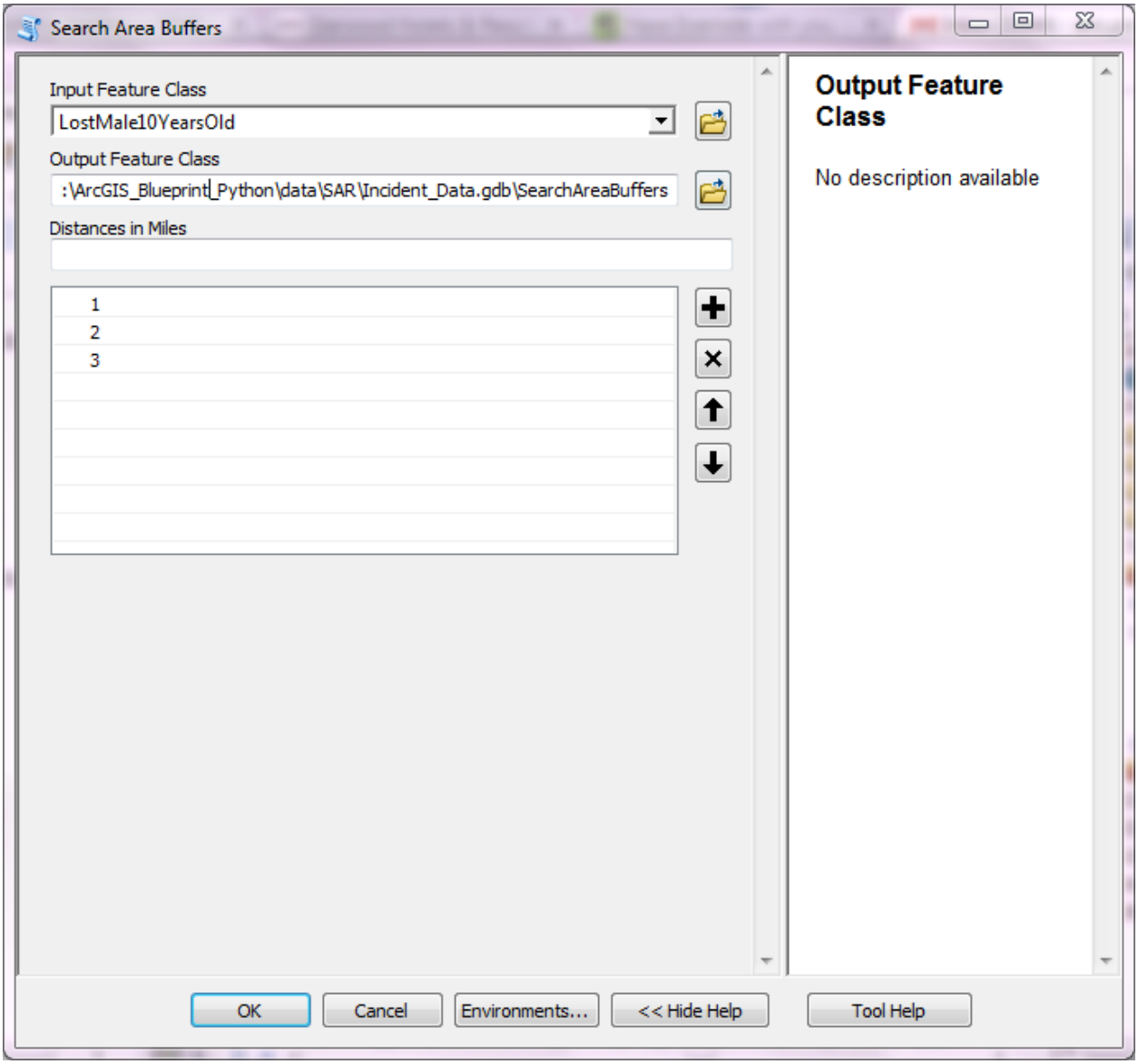

Assign Last Known Point Attributes
Output Feature Class
Incident Date (optional)
1/1/2015
Description (optional)
Incident Name (optional)
Name (optional)
Gender (optional)
Weight (optional)
Hair Color (optional)
Other (optional)
Height (optional)
Clothing (optional)
Age (optional)
Assign Last Known Point Attributes
Assign Last Known Point Attributes
OK
Cancel
Environments...
<< Hide Help
Tool Help

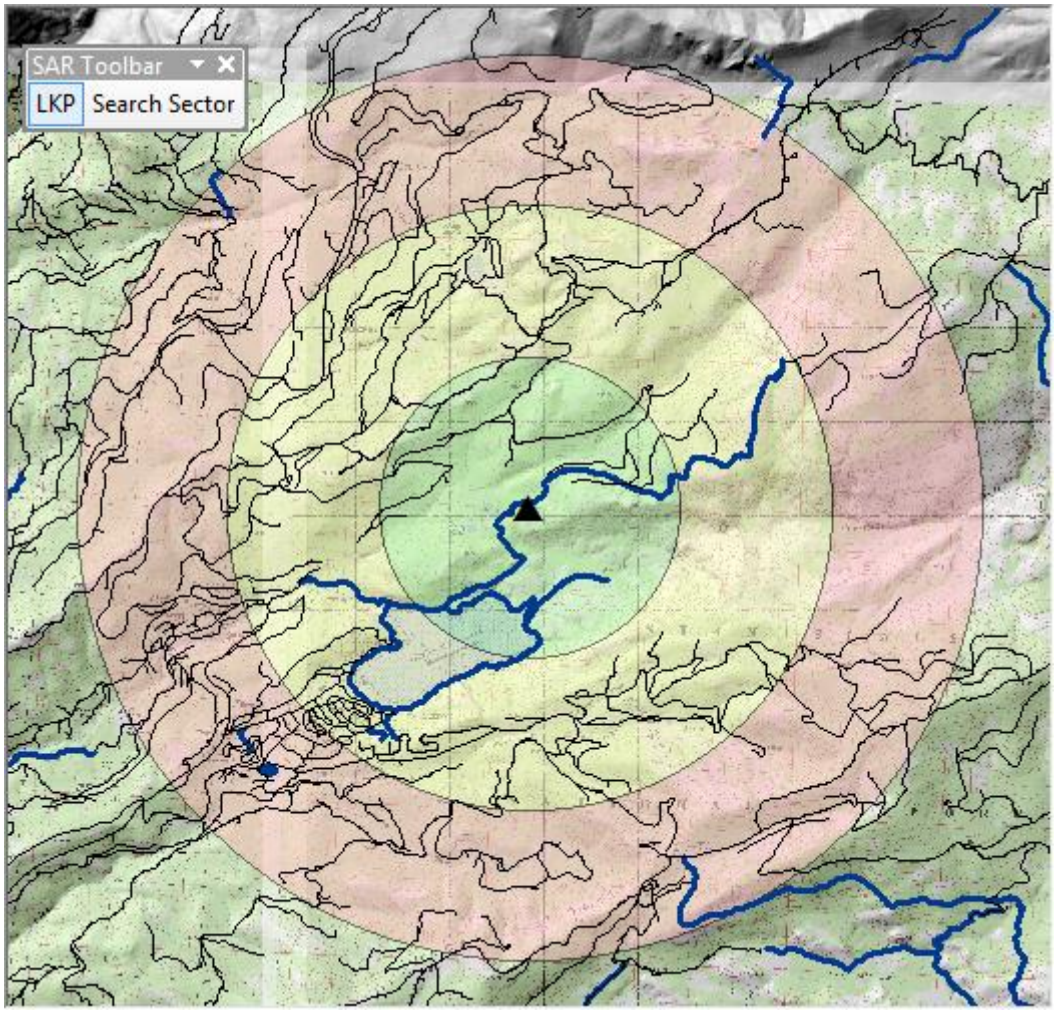

SAR Properties
General
Help
Name:
SAR
Label:
Toolbox
Location:
C:\Users\student10\AppData\Roaming\ESRI\Desktop10.3\ArcToolbox\My Tool
Alias:
Description:
OK
Cancel
Apply

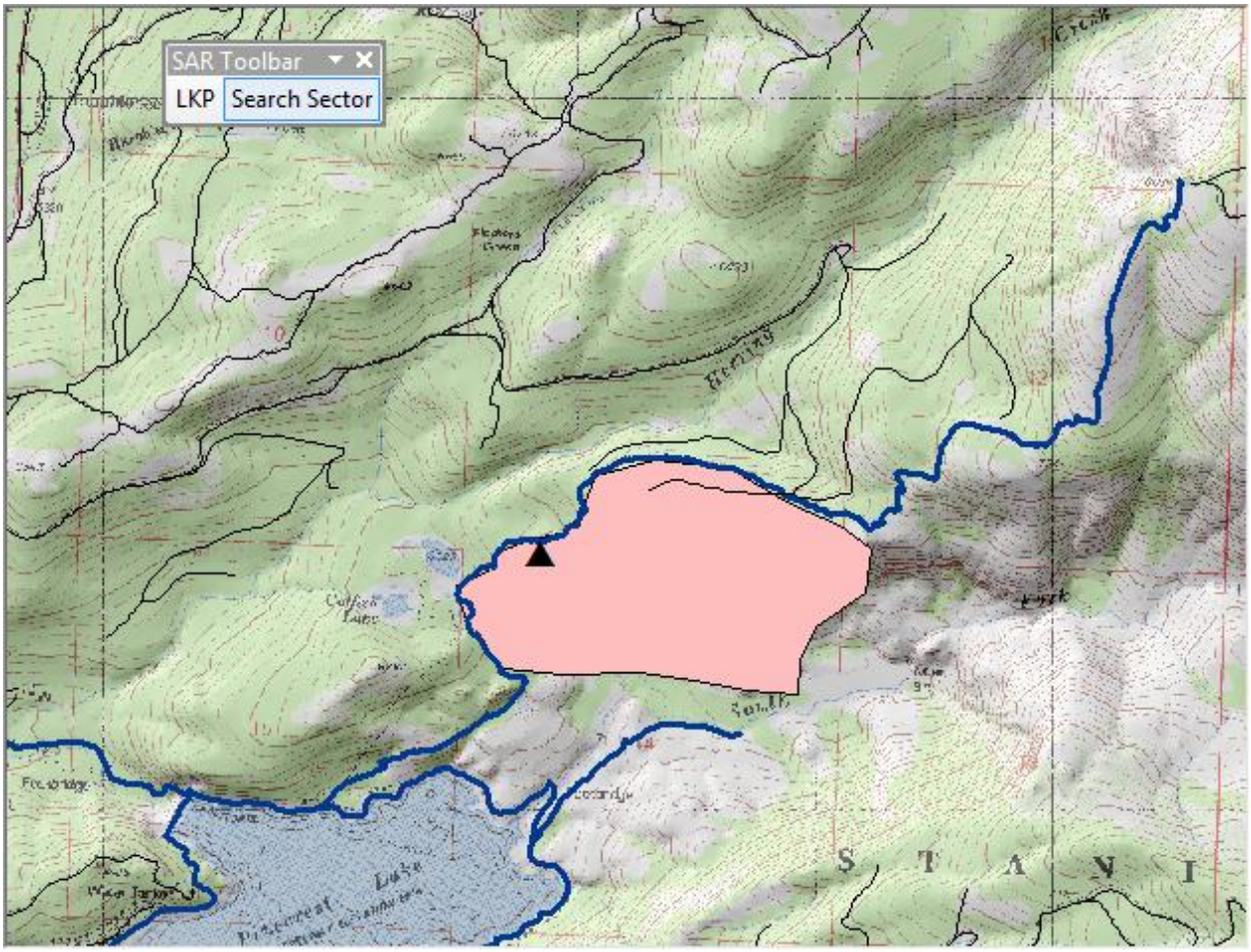

Save LKP
Look in:
Incident_Data.gdb
LKP
Search_Segments
SearchSectors
Name:
LostMale10YearsOld
Save as type:
Save
Cancel

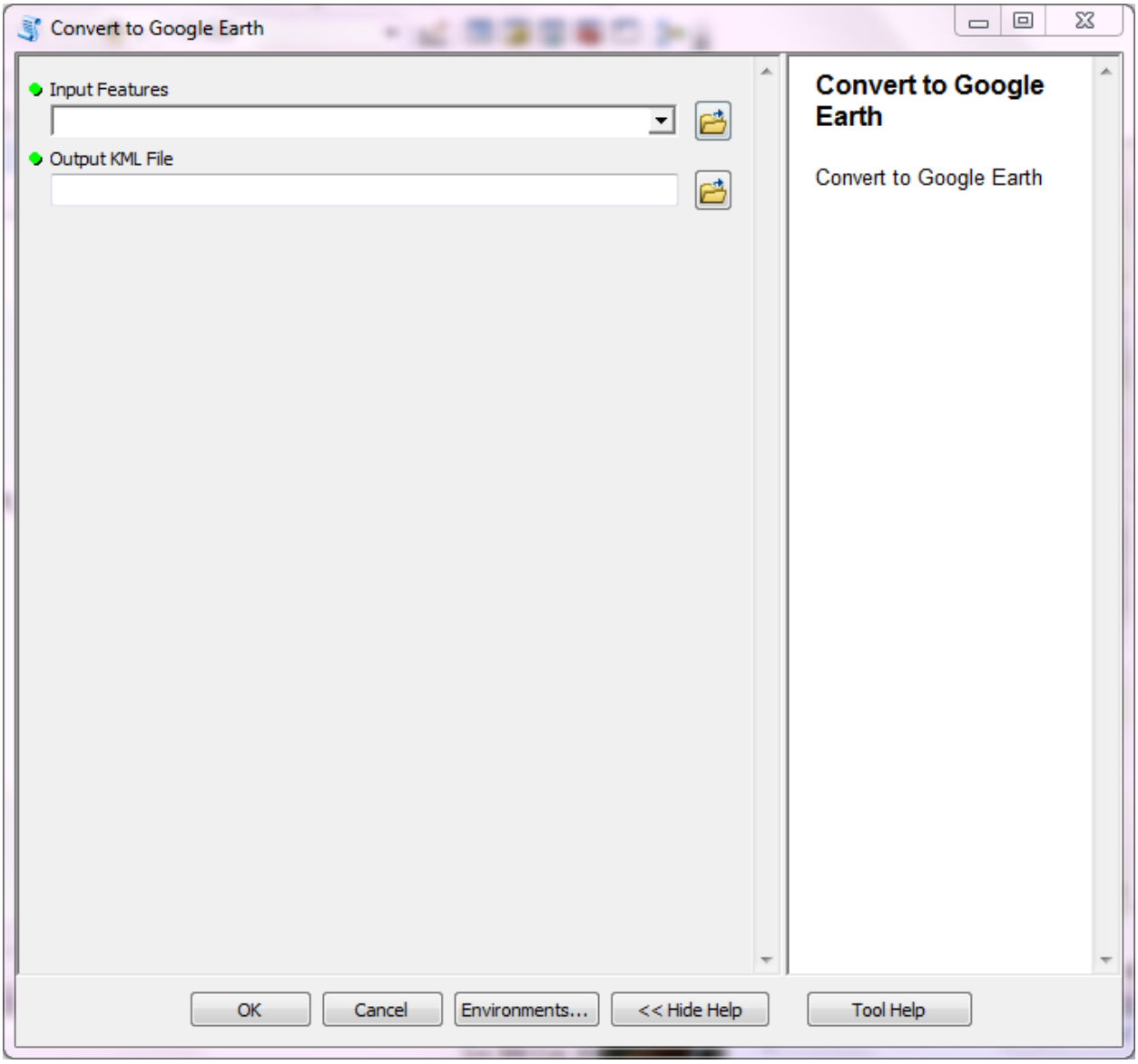

Feature Class Template
Look in:
Incident_Data.gdb
LKP
Search_Segments
SearchSectors
Name:
LKP
Add
Show of type:
Cancel

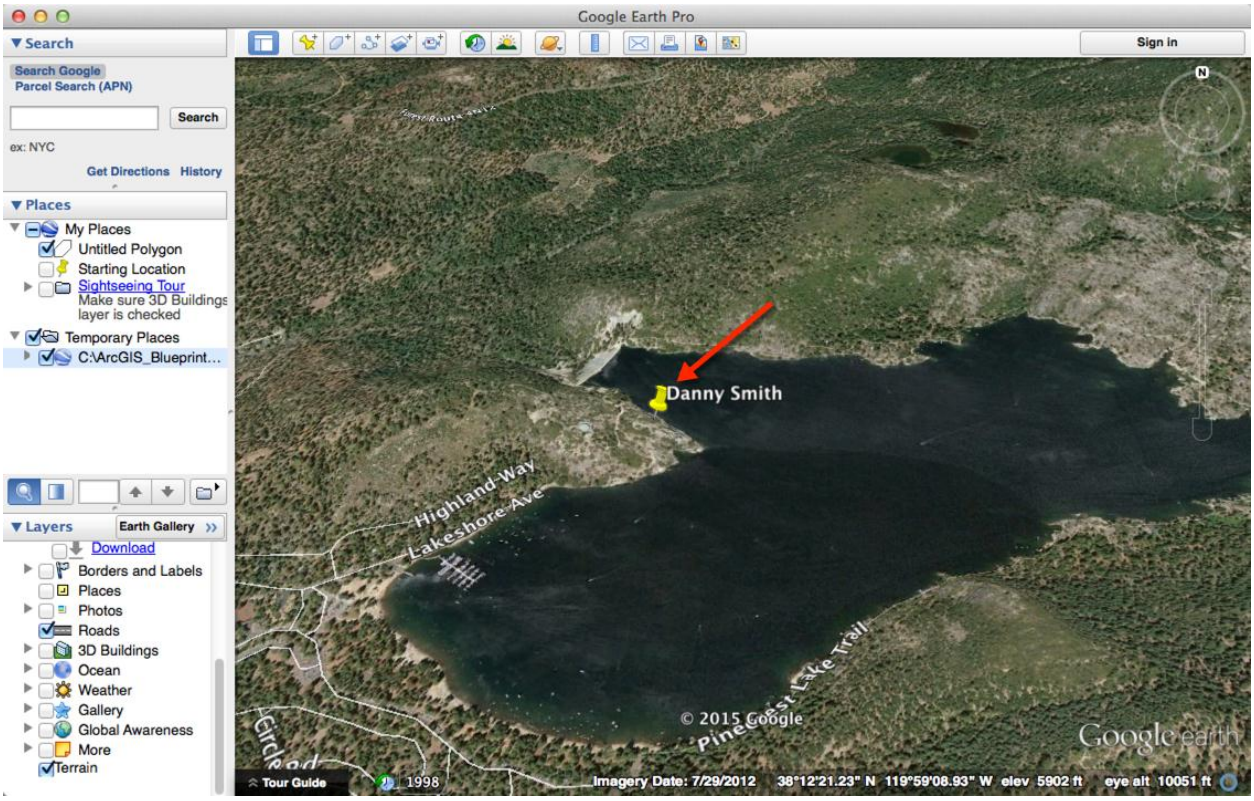

Assign Last Known Point Attributes
Output Feature Class
C:\ArcGIS_Blueprint_Python\data\SAR\Incident_Data.gdb\LostMale10YearsO
Incident Date (optional)
9/21/2015
Description (optional)
Lost boy near lake
Incident Name (optional)
Lost Boy Danny
Name (optional)
Danny
Gender (optional)
MALE
Weight (optional)
65
Hair Color (optional)
Brown
Other (optional)
Height (optional)
Clothing (optional)
Age (optional)
Height (optional)
No description available
OK
Cancel
Environments...
<< Hide Help
Tool Help

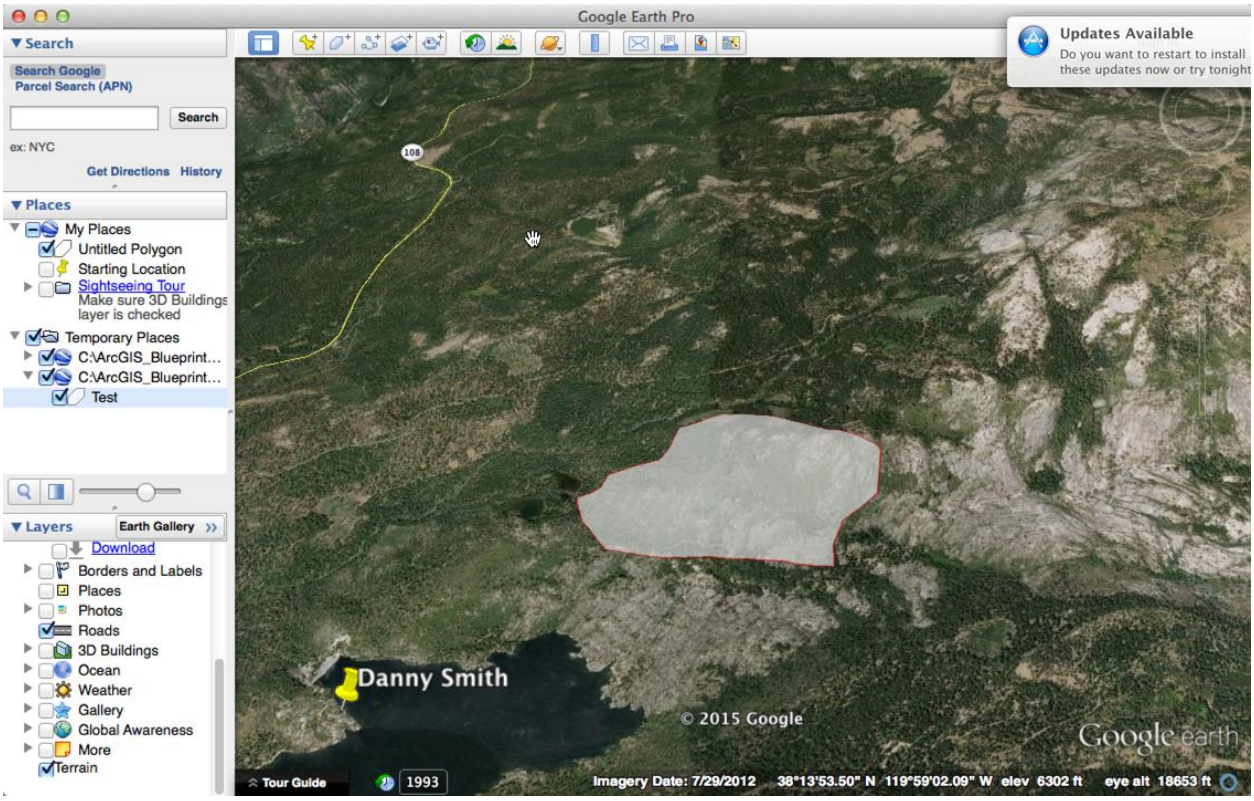

Search Area Buffers
Input Feature Class
LostMale10YearsOld
Output Feature Class
:\ArcGIS_Blueprint_Python\data\SAR\Incident_Data.gdb\SearchAreaBuffers
Distances in Miles
1
2
3
Output Feature Class
No description available
OK
Cancel
Environments...
<< Hide Help
Tool Help

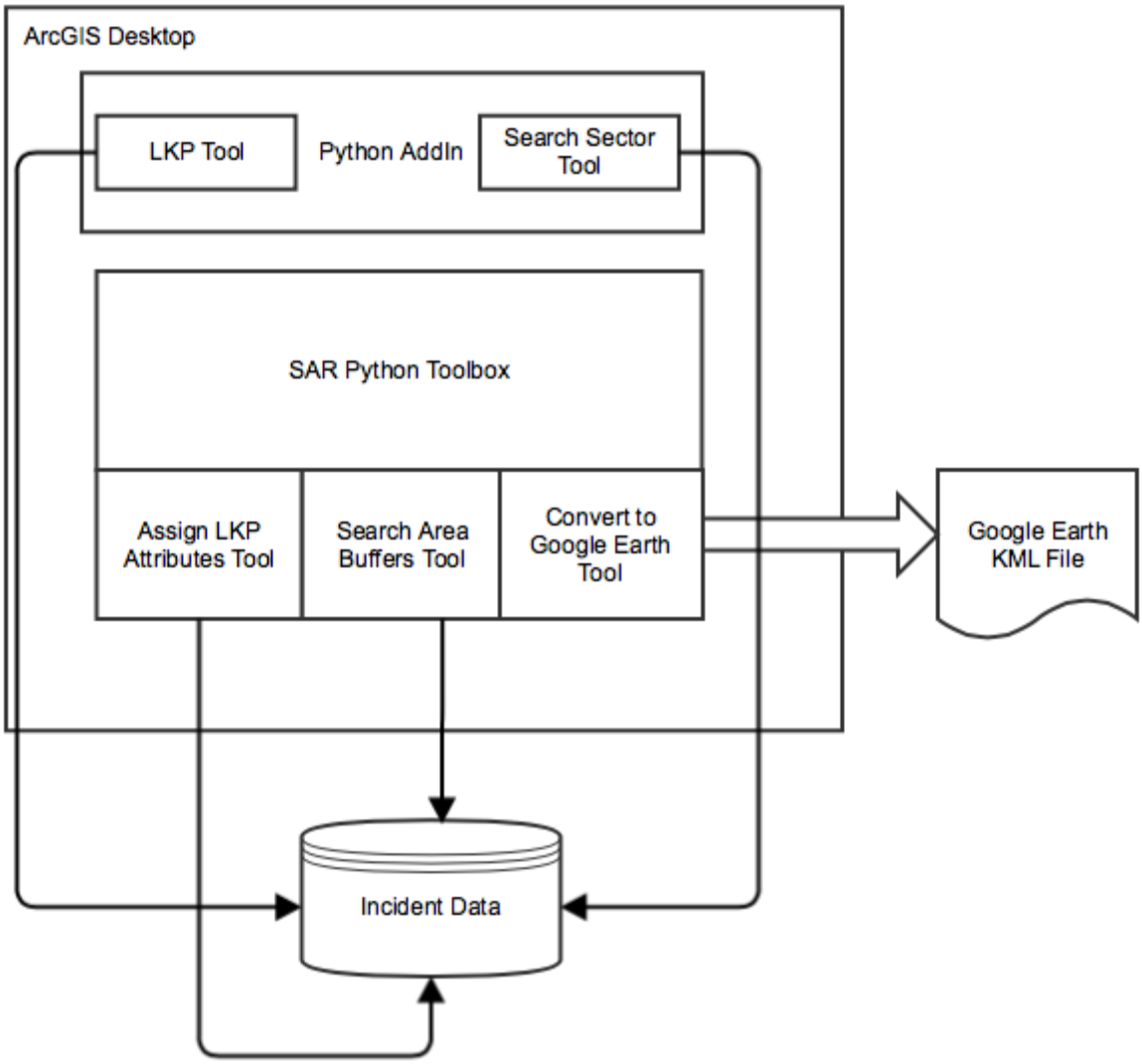

SAR Toolbar
LKP
Search Sector


SAR Toolbar
LKP
Search Sector
S T A N I


Convert to Google Earth
Input Features
Output KML File
Convert to Google Earth
Convert to Google Earth
OK
Cancel
Environments...
<< Hide Help
Tool Help


Google Earth Pro
Search
Search Google
Parcel Search (APN)
Search
ex: NYC
Get Directions History
Places
My Places
Untitled Polygon
Starting Location
Sightseeing Tour
Make sure 3D Buildings layer is checked
Temporary Places
C:\ArcGIS_Blueprint...
Layers
Earth Gallery
Download
Borders and Labels
Places
Photos
Roads
3D Buildings
Ocean
Weather
Gallery
Global Awareness
More
Terrain
Sign in
Danny Smith
Highland Way
Lakeshore Ave
Pine Crest Lake Trail
Circle Road
© 2015 Google
Google earth
Tour Guide
1998
Imagery Date: 7/29/2012 38°12'21.23" N 119°59'08.93" W elev 5902 ft eye alt 10051 ft


Google Earth Pro
Search
Search Google
Parcel Search (APN)
Search
ex: NYC
Get Directions History
Places
My Places
Untitled Polygon
Starting Location
Sightseeing Tour
Make sure 3D Buildings layer is checked
Temporary Places
C:\ArcGIS_Blueprint...
C:\ArcGIS_Blueprint...
Test
Layers
Earth Gallery
Download
Borders and Labels
Places
Photos
Roads
3D Buildings
Ocean
Weather
Gallery
Global Awareness
More
Terrain
Updates Available
Do you want to restart to install these updates now or try tonight
108
Danny Smith
© 2015 Google
Google earth
Tour Guide
1993
Imagery Date: 7/29/2012 38°13'53.50" N 119°59'02.09" W elev 6302 ft eye alt 18653 ft


ArcGIS Desktop
LKP Tool
Python AddIn
Search Sector Tool
SAR Python Toolbox
Assign LKP Attributes Tool
Search Area Buffers Tool
Convert to Google Earth Tool
Google Earth KML File
Incident Data

Chapter 9


Application Management
Twitter Apps
Create New App

Create an application

Application Details

Name *

SEC College Football

Your application name. This is used to attribute the source of a tweet and in user-facing authorization screens. 32 characters max.

Description *

Pulls tweets about SEC college football games

Your application description, which will be shown in user-facing authorization screens. Between 10 and 200 characters max.

Website *

http://<your domain>

Your application's publicly accessible home page, where users can go to download, make use of, or find out more information about
source attribution for tweets created by your application and will be shown in user-facing authorization screens.
(If you don't have a URL yet, just put a placeholder here but remember to change it later.)

Application Management

SEC College Football

Details | Settings | Keys and Access Tokens | Permissions

Application Settings

Keep the "Consumer Secret" a secret. This key should never be human-readable in your application.

Consumer Key (API Key)	
Consumer Secret (API Secret)	
Access Level	Read and write (modify app permissions)
Owner	gistraining
Owner ID	20646590

Authorize SEC College Football to use your account?

SEC College Football

geospatialtraining.com

Pulls tweets about SEC college football games

Authorize app | **Cancel**

This application will be able to:

- Read Tweets from your timeline.
- See who you follow, and follow new people.
- Update your profile.
- Post Tweets for you.

Will not be able to:

- Access your direct messages.
- See your Twitter password.

You've granted access to SEC College Football!

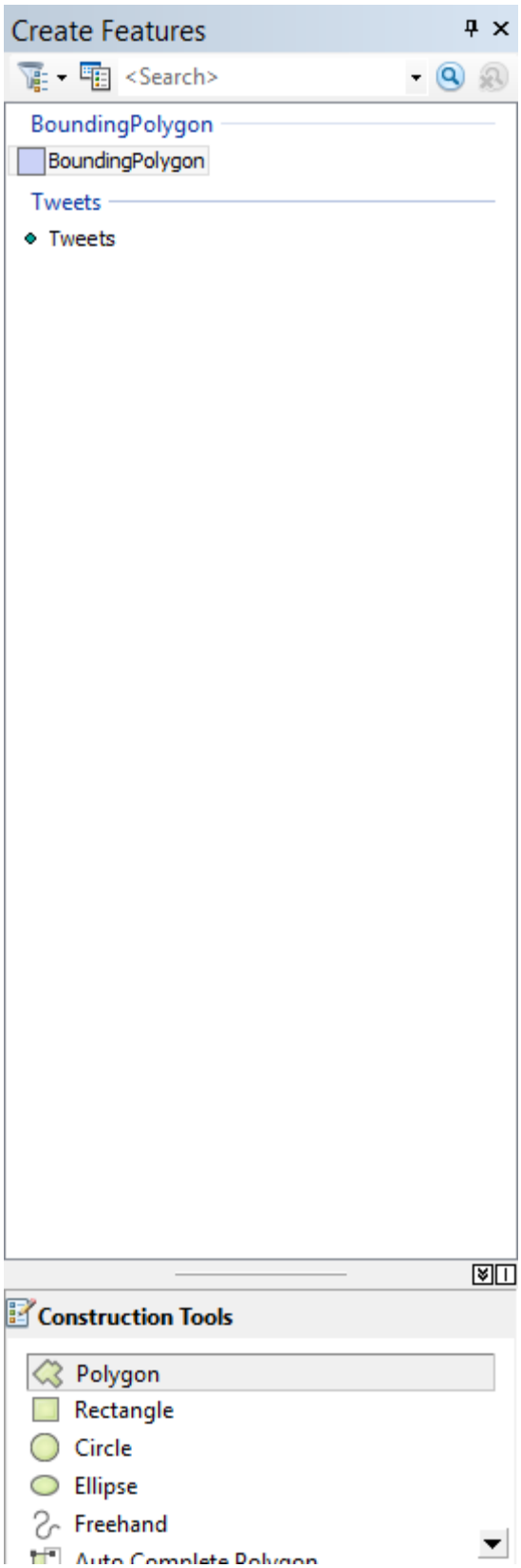
Next, return to SEC College Football and enter this PIN to complete the authorization process:

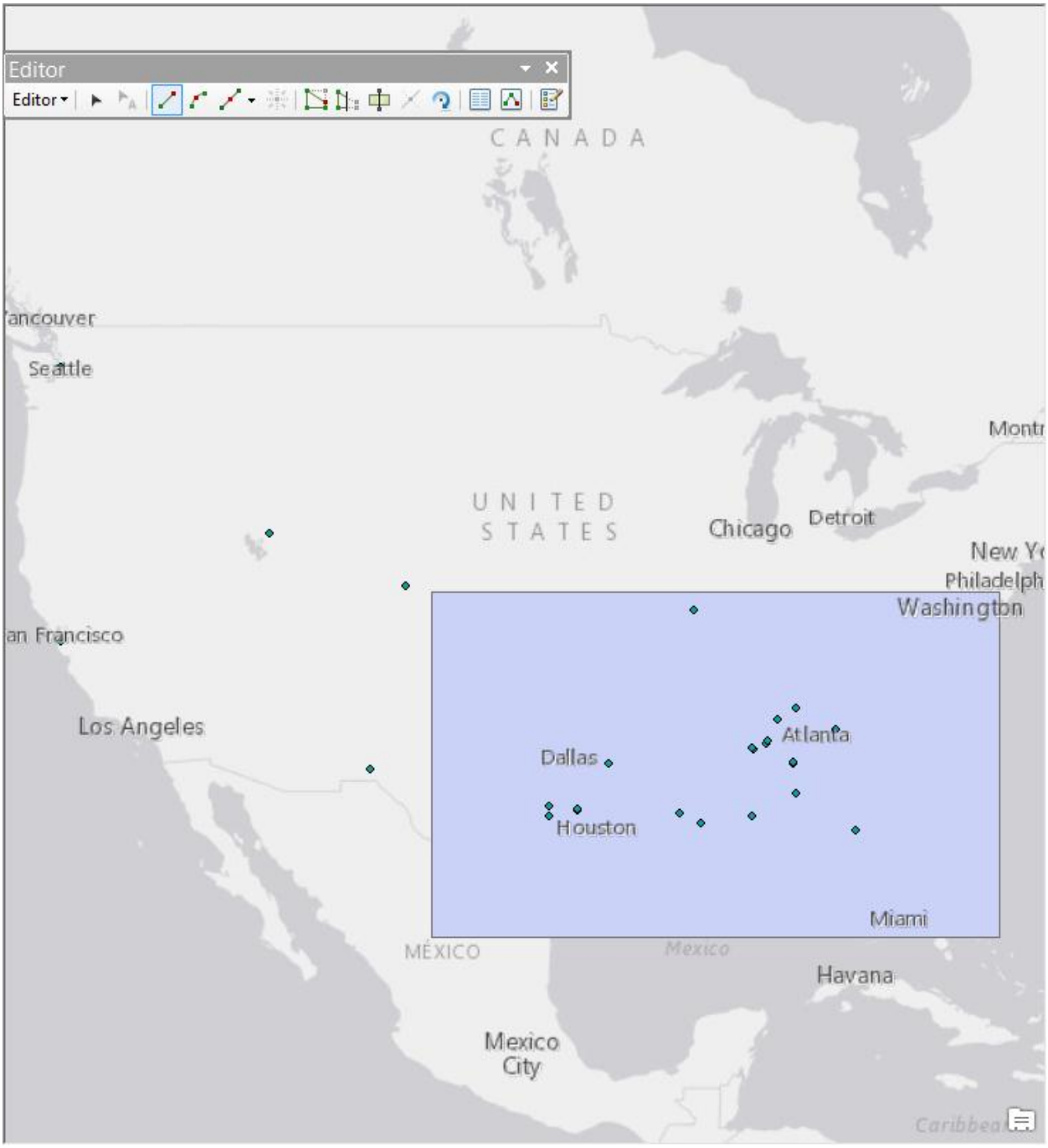
6319182

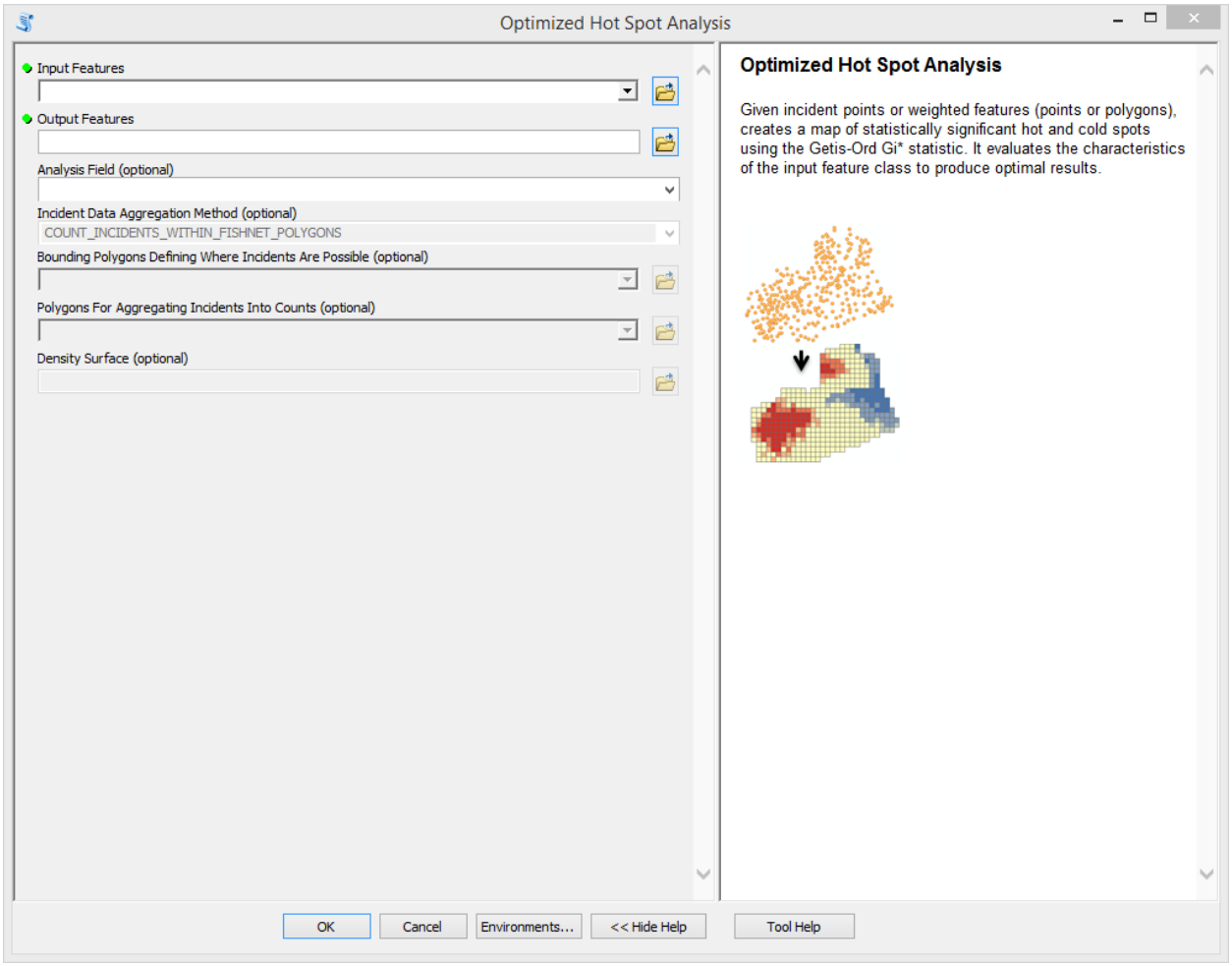

CANADA
ancouver
Seattle
Montr
UNITED
STATES
Chicago
Detroit
New Yo
Philadelph
Washington
an Francisco
Los Angeles
Atlanta
Dallas
Houston
Gulf of
Mexico
Miami
MÉXICO
Havana
Mexico
City
Caribbea

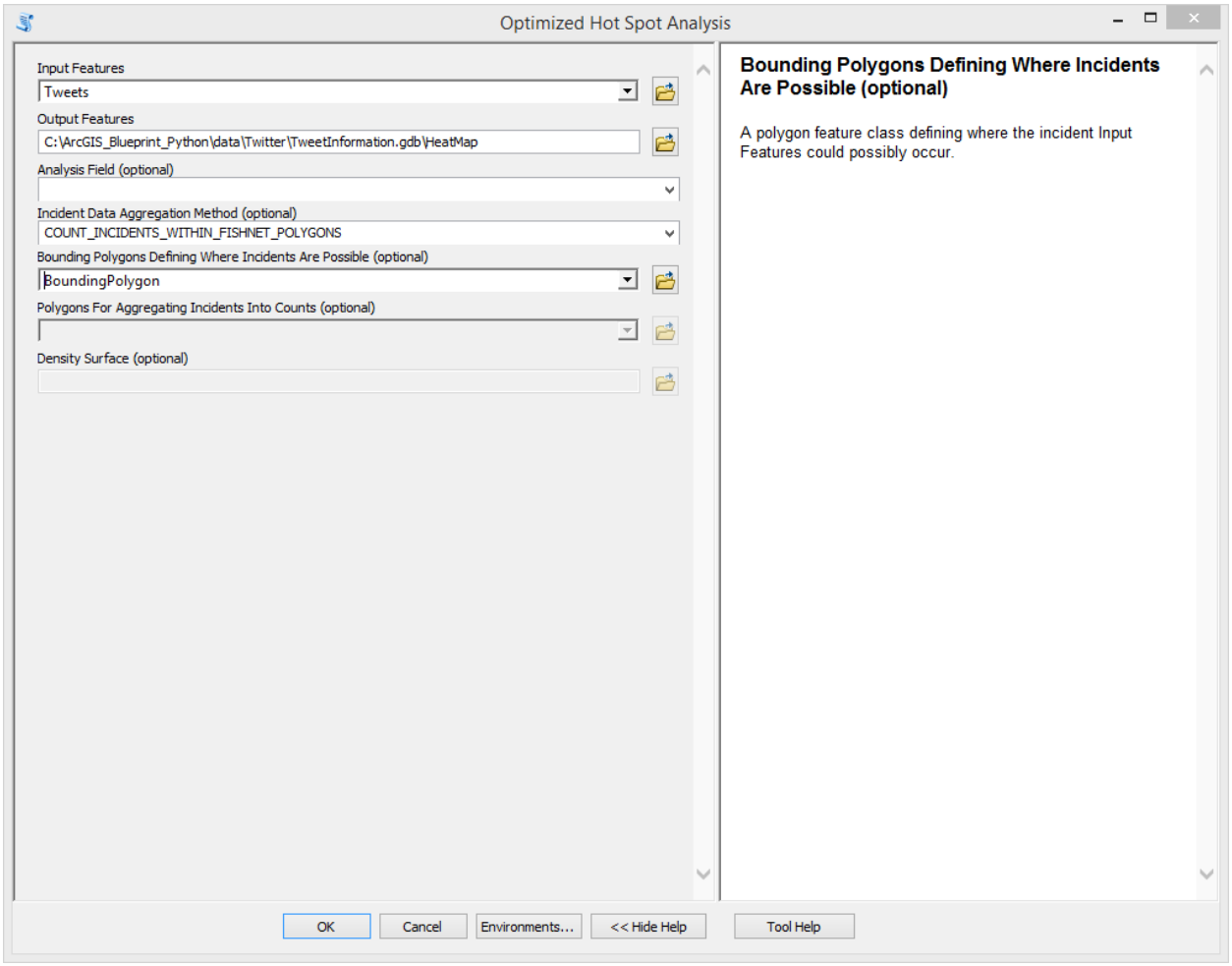

CANADA
Seattle
UNITED
STATES
Chicago
Detroit
Philadelph
Washington
Los Angeles
Atlanta
Dallas
Houston
Gulf of
Mexico
Miami
MÉXICO
Havana
Mexico
City

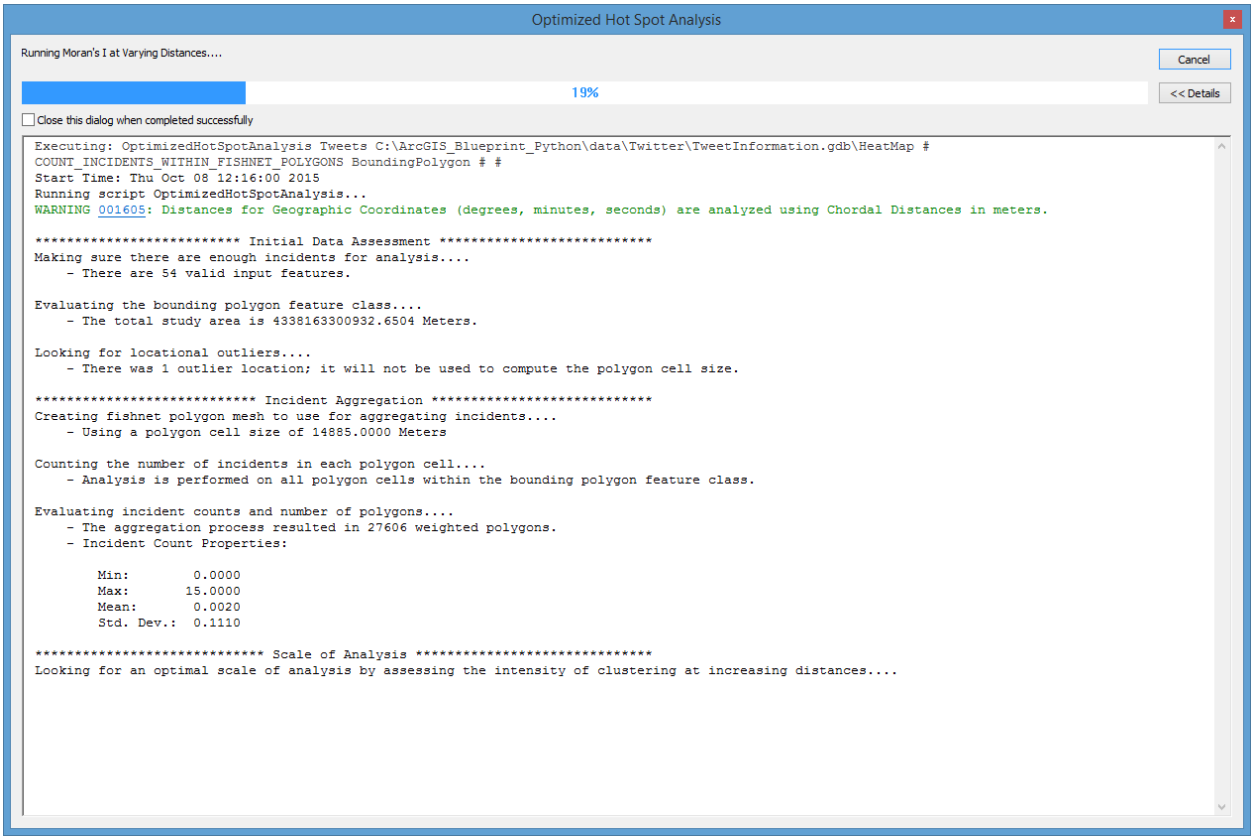

Editor
Editor
CANADA


Create Features
<Search>
BoundingPolygon
BoundingPolygon
Tweets
Tweets
Construction Tools
Polygon
Rectangle
Circle
Ellipse
Freehand


Editor
Editor
CANADA
Seattle
UNITED
STATES
Chicago
Detroit
Washington
Los Angeles
Atlanta
Dallas
Houston
Miami
MÉXICO
Mexico
Havana
Mexico
City


Optimized Hot Spot Analysis
Input Features
Output Features
Analysis Field (optional)
Incident Data Aggregation Method (optional)
COUNT_INCIDENTS_WITHIN_FISHNET_POLYGONS
Bounding Polygons Defining Where Incidents Are Possible (optional)
Polygons For Aggregating Incidents Into Counts (optional)
Density Surface (optional)
Optimized Hot Spot Analysis
Given incident points or weighted features (points or polygons), creates a map of statistically significant hot and cold spots using the Getis-Ord Gi* statistic. It evaluates the characteristics of the input feature class to produce optimal results.
OK
Cancel
Environments...
<< Hide Help
Tool Help


Optimized Hot Spot Analysis
Input Features
Tweets
Output Features
C:\ArcGIS_Blueprint_Python\data\Twitter\TweetInformation.gdb\HeatMap
Analysis Field (optional)
Incident Data Aggregation Method (optional)
COUNT_INCIDENTS_WITHIN_FISHNET_POLYGONS
Bounding Polygons Defining Where Incidents Are Possible (optional)
BoundingPolygon
Polygons For Aggregating Incidents Into Counts (optional)
Density Surface (optional)
Bounding Polygons Defining Where Incidents Are Possible (optional)
A polygon feature class defining where the incident Input Features could possibly occur.
OK
Cancel
Environments...
<< Hide Help
Tool Help


Optimized Hot Spot Analysis
Running Moran's I at Varying Distances....
Cancel
19%
<< Details
Close this dialog when completed successfully
Executing: OptimizedHotSpotAnalysis Tweets C:\ArcGIS_Blueprint_Python\data\Twitter\TweetInformation.gdb\HeatMap #
COUNT_INCIDENTS_WITHIN_FISHNET_POLYGONS BoundingPolygon # #
Start Time: Thu Oct 08 12:16:00 2015
Running script OptimizedHotSpotAnalysis...
WARNING 001605: Distances for Geographic Coordinates (degrees, minutes, seconds) are analyzed using Chordal Distances in meters.
********** Initial Data Assessment **********
Making sure there are enough incidents for analysis....
- There are 54 valid input features.
Evaluating the bounding polygon feature class....
- The total study area is 4338163300932.6504 Meters.
Looking for locational outliers....
- There was 1 outlier location; it will not be used to compute the polygon cell size.
********** Incident Aggregation **********
Creating fishnet polygon mesh to use for aggregating incidents....
- Using a polygon cell size of 14885.0000 Meters
Counting the number of incidents in each polygon cell....
- Analysis is performed on all polygon cells within the bounding polygon feature class.
Evaluating incident counts and number of polygons....
- The aggregation process resulted in 27606 weighted polygons.
- Incident Count Properties:
Min: 0.0000
Max: 15.0000
Mean: 0.0020
Std. Dev.: 0.1110
********** Scale of Analysis **********
Looking for an optimal scale of analysis by assessing the intensity of clustering at increasing distances....

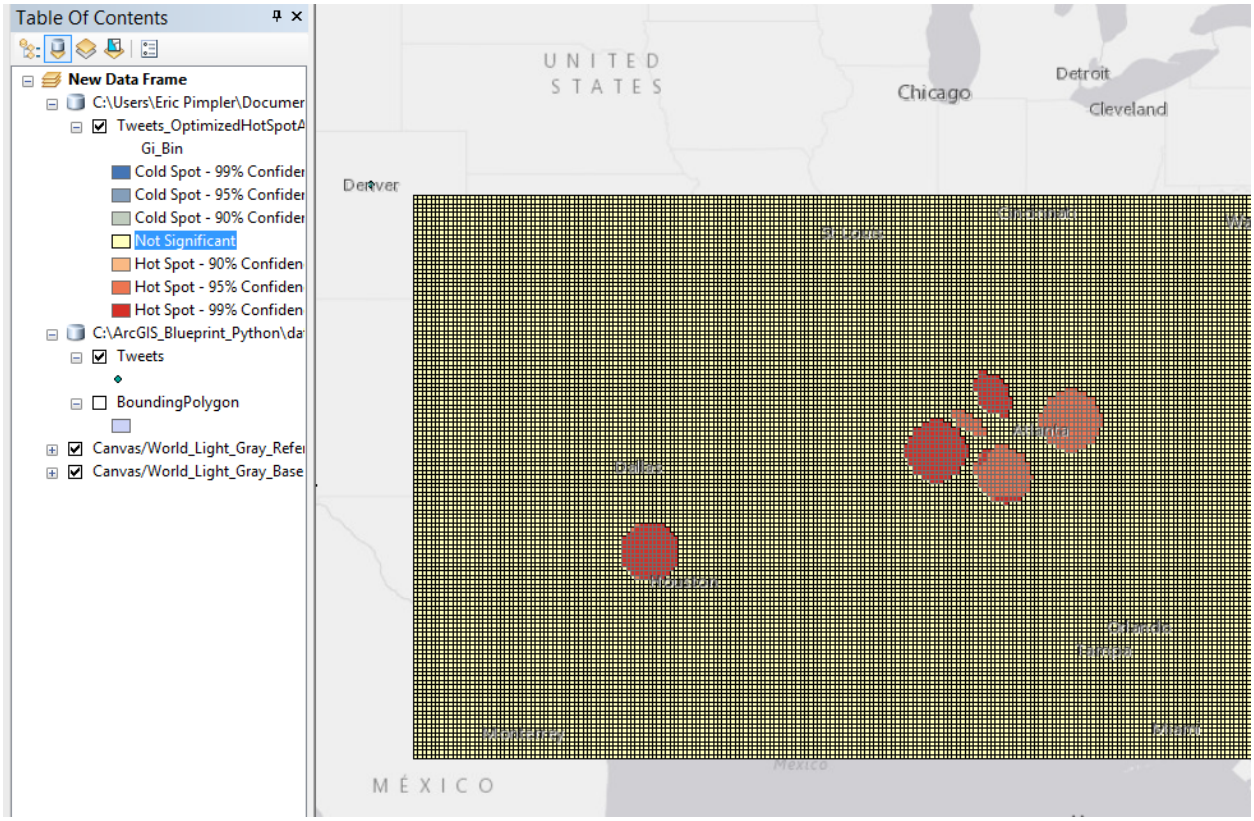
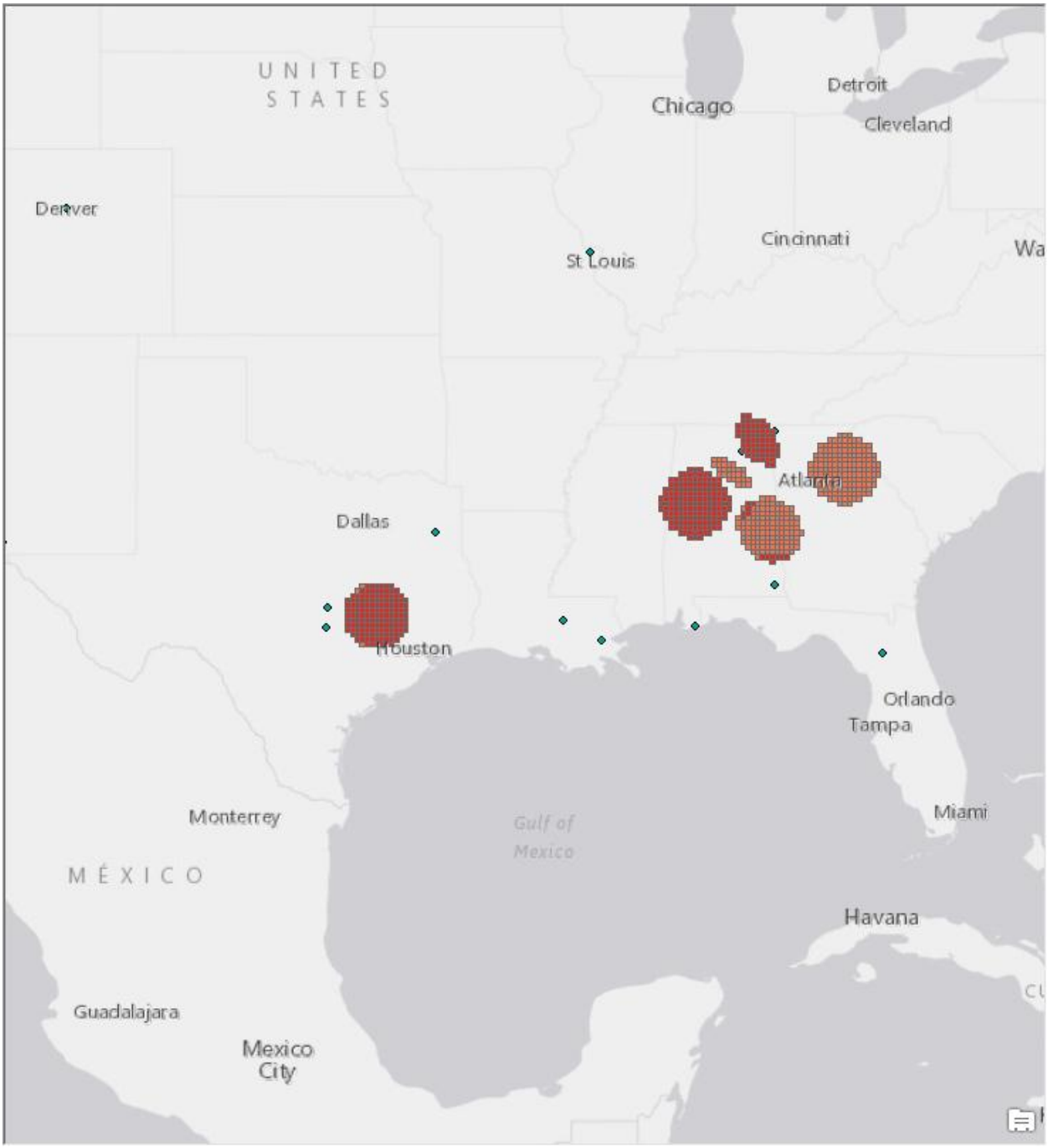
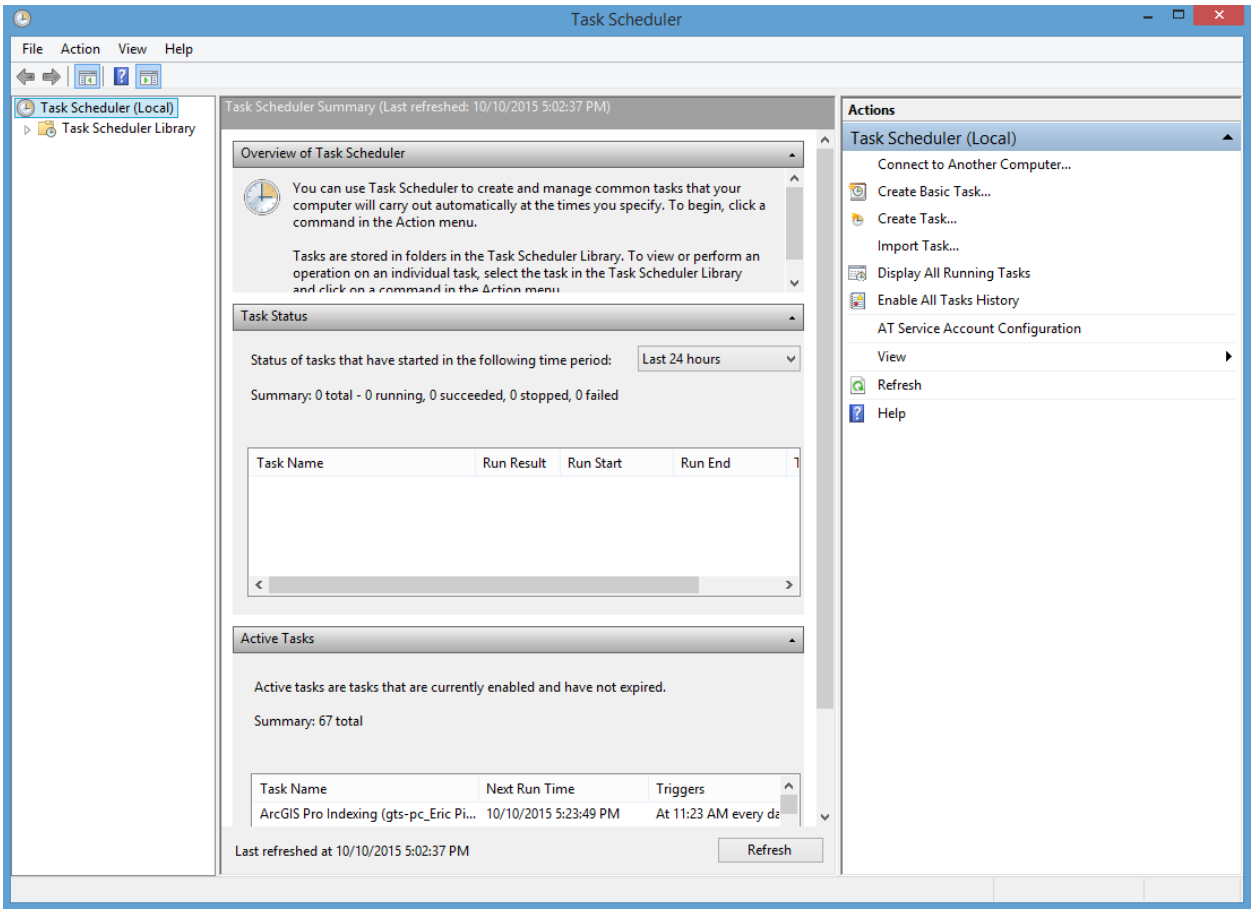
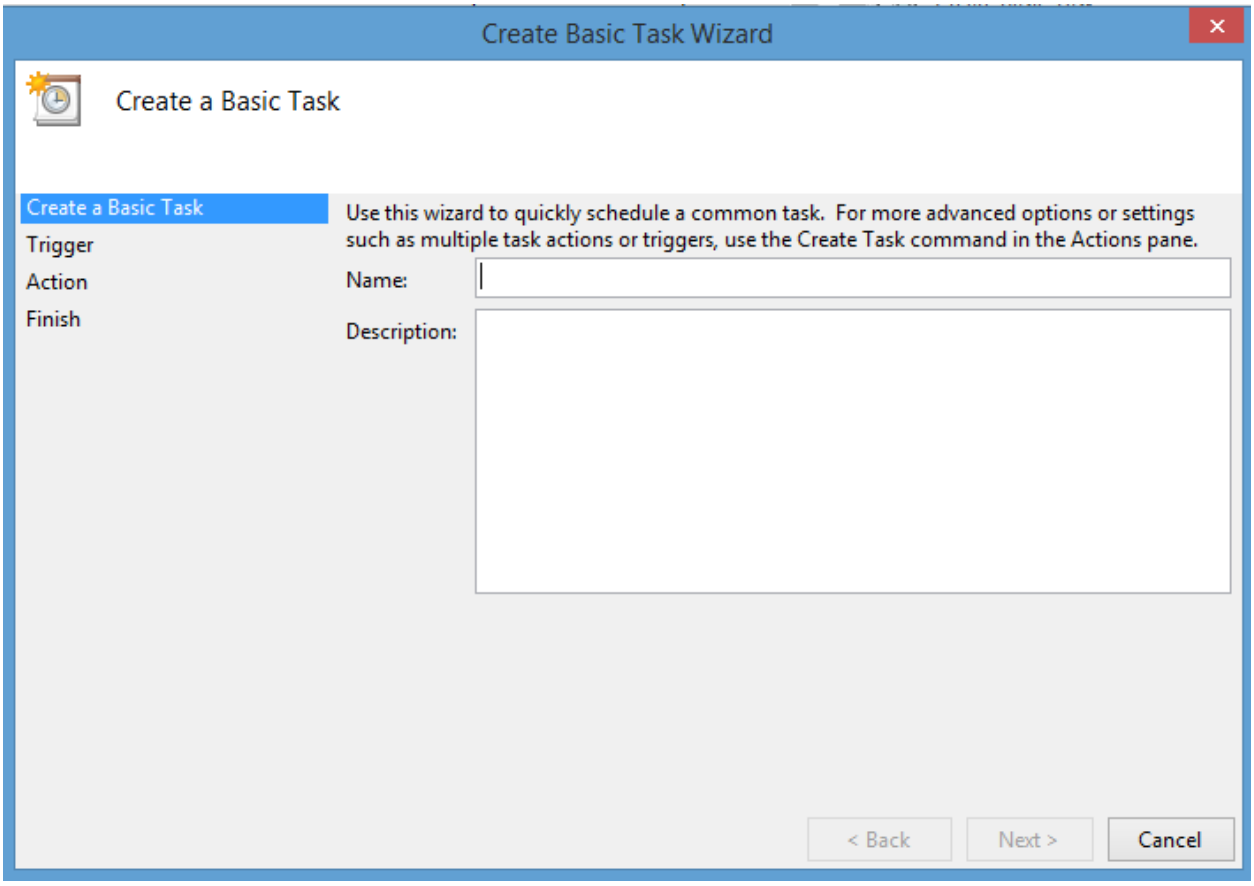
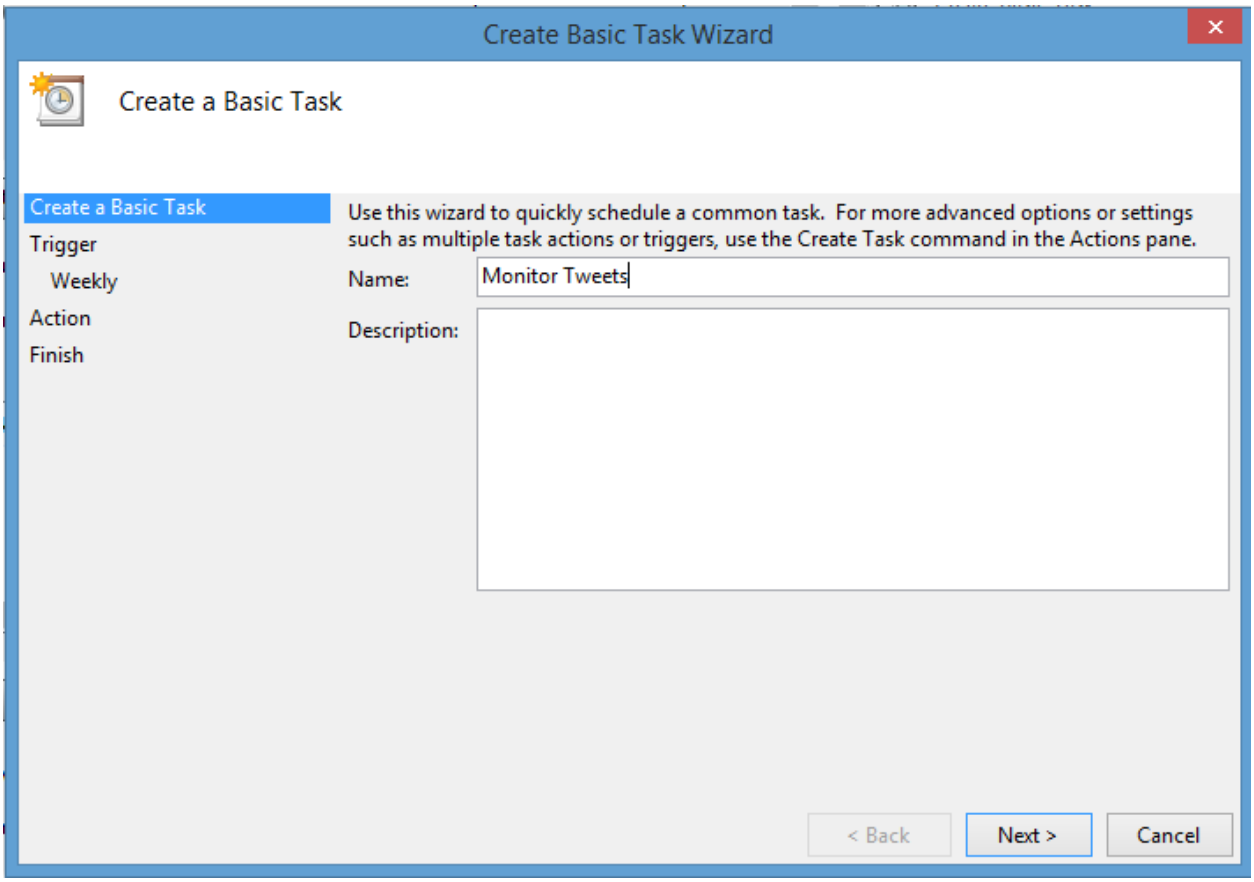


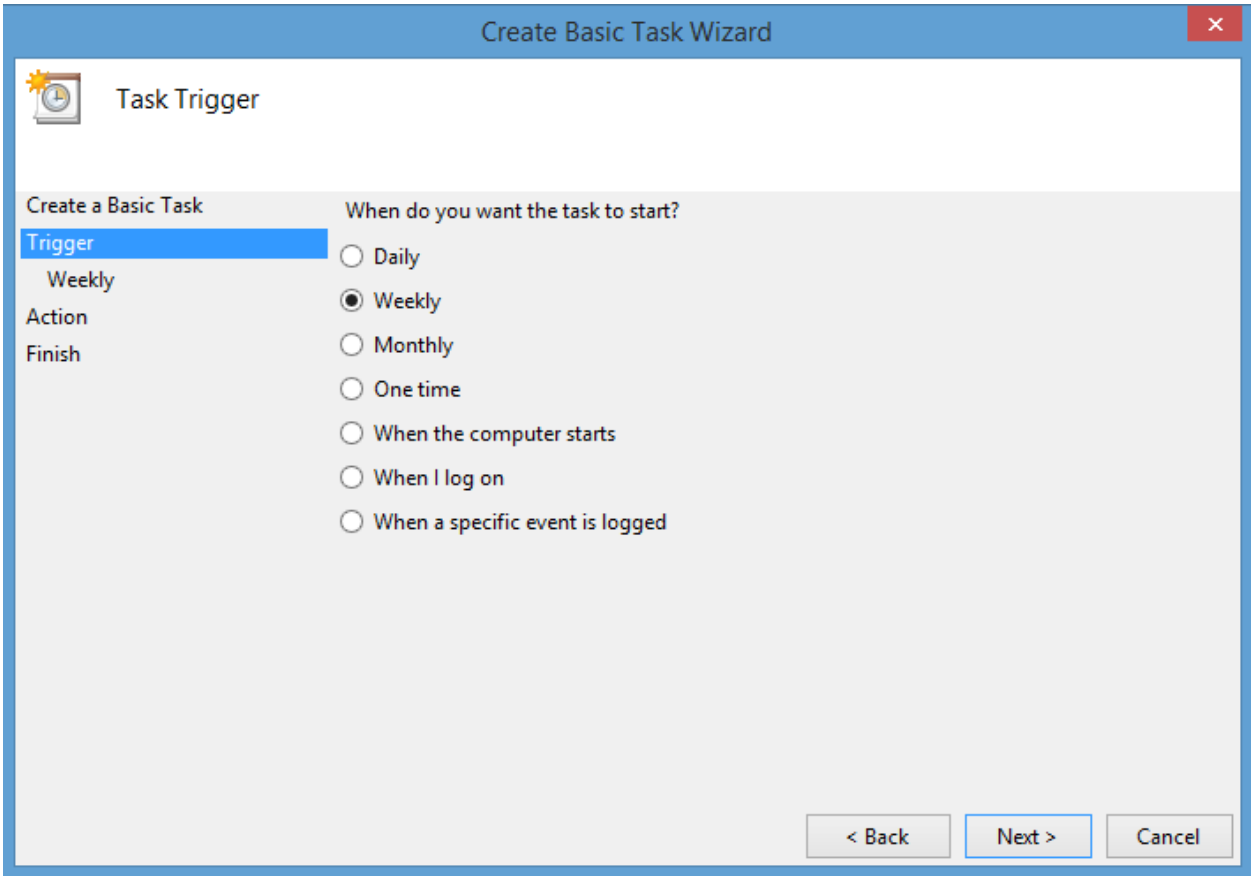
Table Of Contents
New Data Frame
C:\Users\Eric Pimpler\Documer
Tweets_OptimizedHotSpotA
Gi_Bin
Cold Spot - 99% Confider
Cold Spot - 95% Confider
Cold Spot - 90% Confider
Not Significant
Hot Spot - 90% Confiden
Hot Spot - 95% Confiden
Hot Spot - 99% Confiden
C:\ArcGIS_Blueprint_Python\da
Tweets
BoundingPolygon
Canvas/World_Light_Gray_Refe
Canvas/World_Light_Gray_Base
UNITED STATES
Chicago
Detroit
Cleveland
Denver
MÉXICO

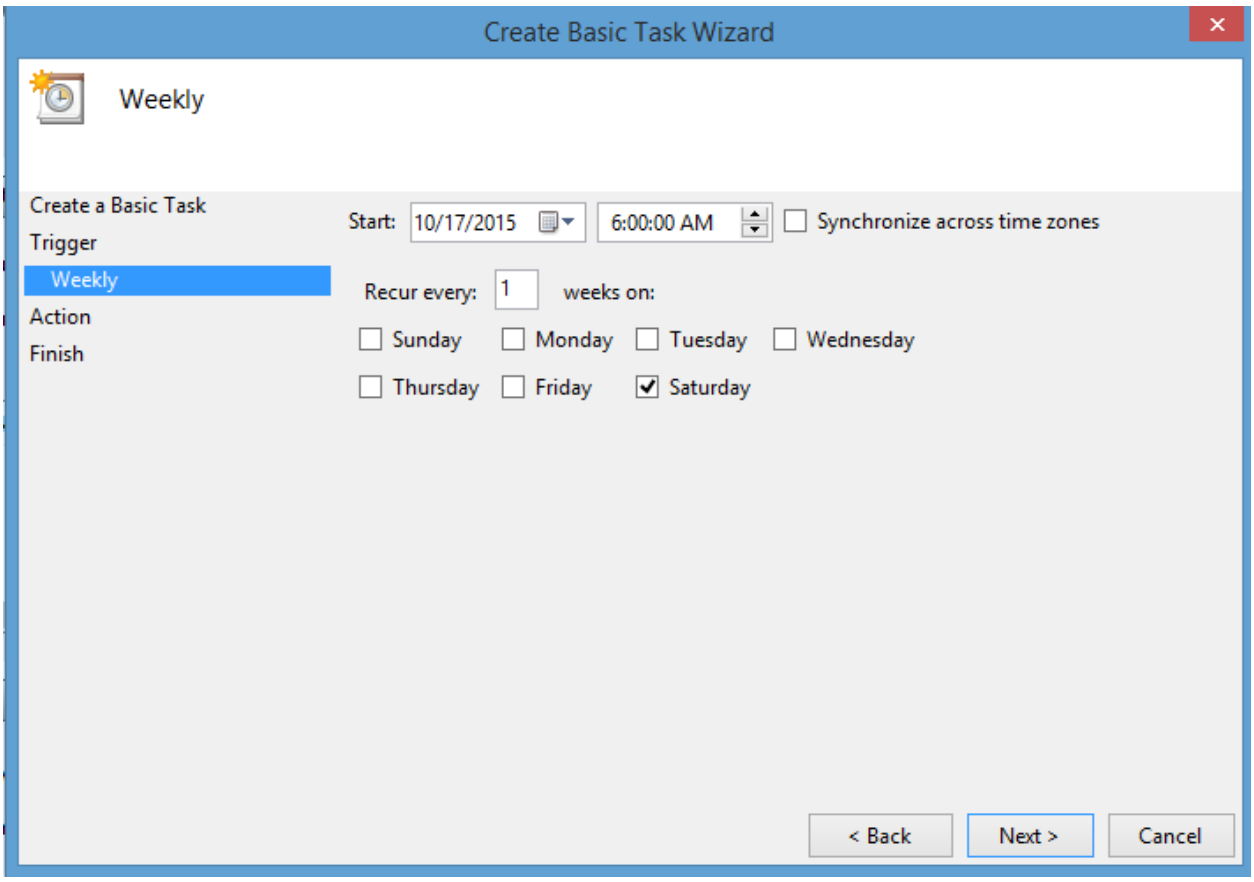

UNITED
STATES
Chicago
Detroit
Cleveland
Denver
St Louis
Cincinnati
Atlanta
Dallas
Houston
Orlando
Tampa
Miami
Monterrey
Gulf of
Mexico
MÉXICO
Havana
Guadalajara
Mexico
City

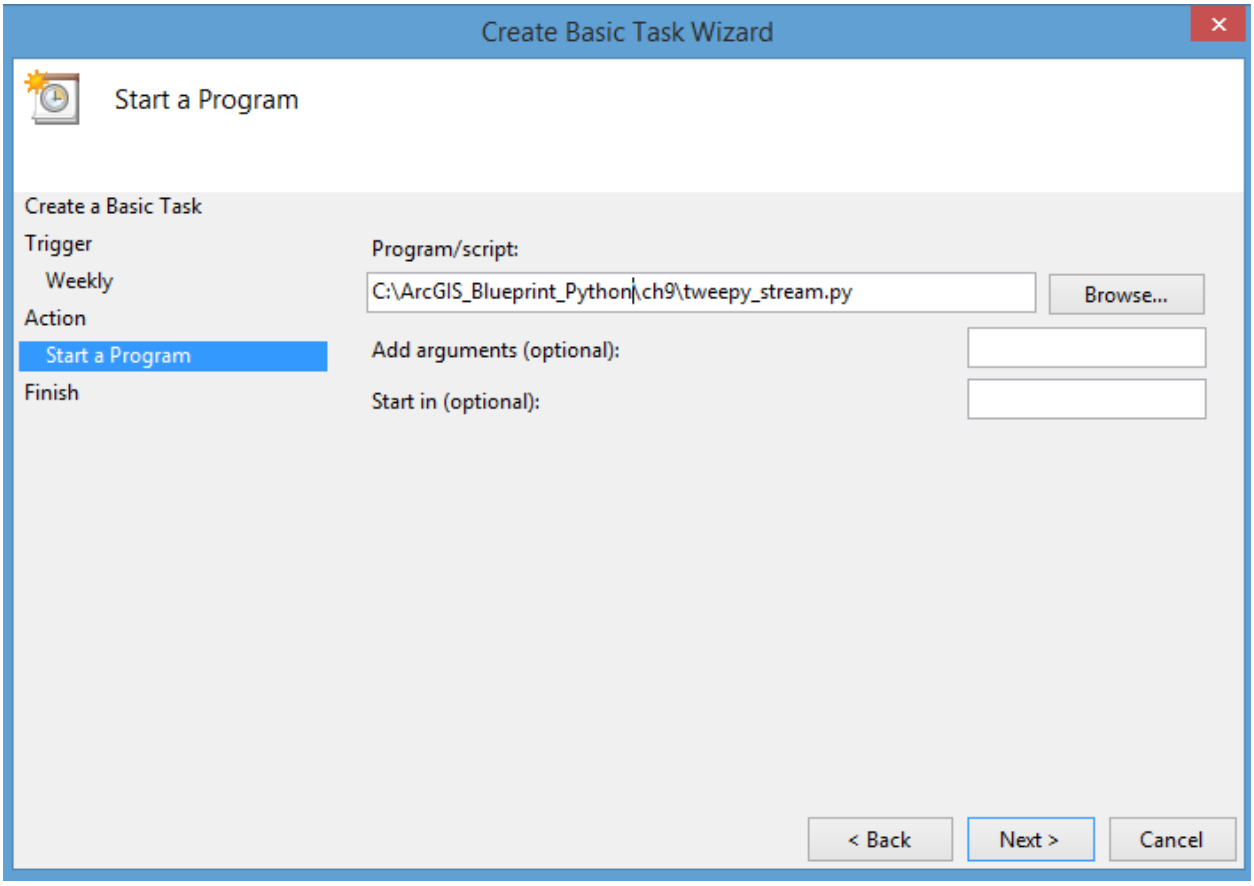

Task Scheduler
File
Action
View
Help
Task Scheduler (Local)
Task Scheduler Library
Task Scheduler Summary (Last refreshed: 10/10/2015 5:02:37 PM)
Overview of Task Scheduler
You can use Task Scheduler to create and manage common tasks that your computer will carry out automatically at the times you specify. To begin, click a command in the Action menu.
Tasks are stored in folders in the Task Scheduler Library. To view or perform an operation on an individual task, select the task in the Task Scheduler Library
Task Status
Status of tasks that have started in the following time period:
Last 24 hours
Summary: 0 total - 0 running, 0 succeeded, 0 stopped, 0 failed
Task Name
Run Result
Run Start
Run End
Active Tasks
Active tasks are tasks that are currently enabled and have not expired.
Summary: 67 total
Task Name
Next Run Time
Triggers
ArcGIS Pro Indexing (gts-pc_Eric Pi...
10/10/2015 5:23:49 PM
At 11:23 AM every da
Last refreshed at 10/10/2015 5:02:37 PM
Refresh
Actions
Task Scheduler (Local)
Connect to Another Computer...
Create Basic Task...
Create Task...
Import Task...
Display All Running Tasks
Enable All Tasks History
AT Service Account Configuration
View
Refresh
Help

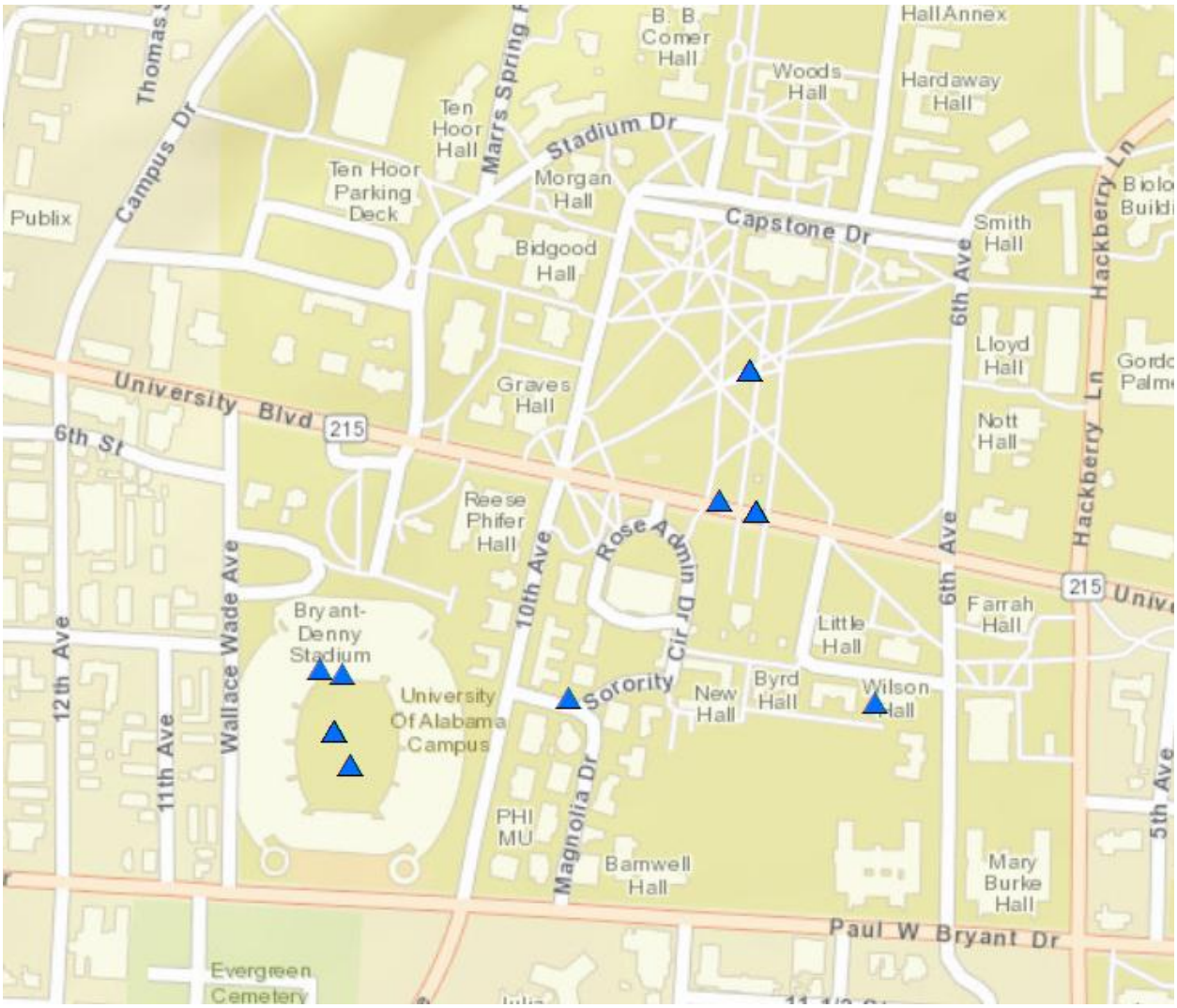

Create Basic Task Wizard
Create a Basic Task
Create a Basic Task
Trigger
Action
Finish
Use this wizard to quickly schedule a common task. For more advanced options or settings such as multiple task actions or triggers, use the Create Task command in the Actions pane.
Name:
Description:
< Back
Next >
Cancel

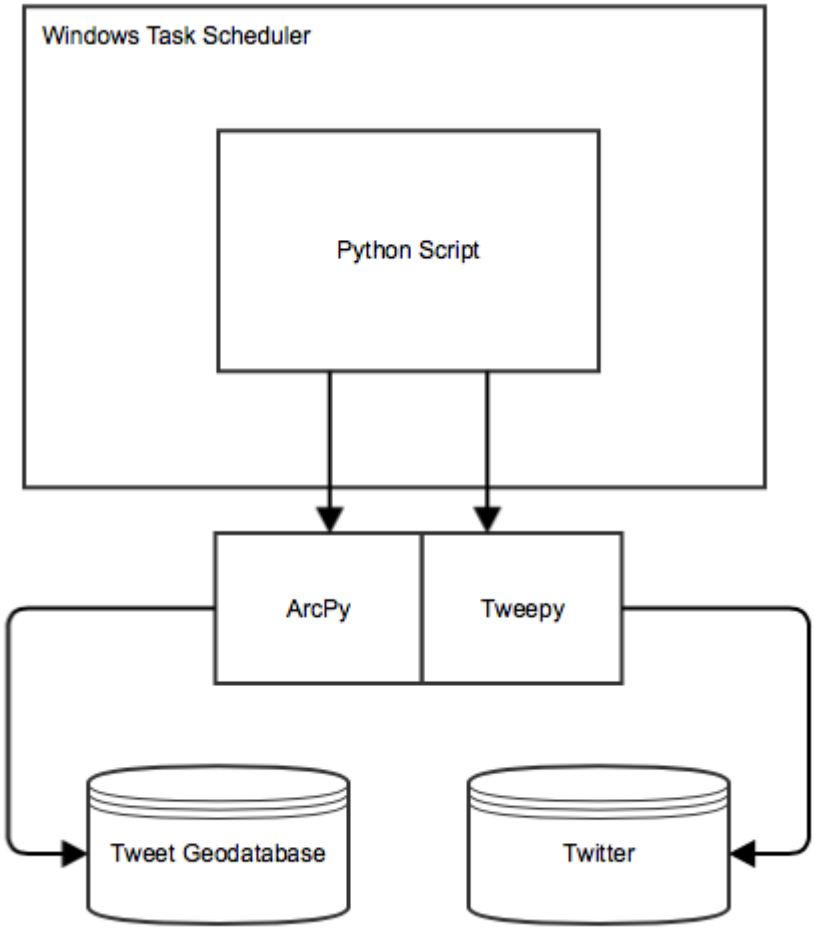

Create Basic Task Wizard
Create a Basic Task
Create a Basic Task
Trigger
Weekly
Action
Finish
Use this wizard to quickly schedule a common task. For more advanced options or settings such as multiple task actions or triggers, use the Create Task command in the Actions pane.
Name:
Monitor Tweets
Description:
< Back
Next >
Cancel


Create Basic Task Wizard
Task Trigger
Create a Basic Task
Trigger
Weekly
Action
Finish
When do you want the task to start?
Daily
Weekly
Monthly
One time
When the computer starts
When I log on
When a specific event is logged
< Back
Next >
Cancel


Create Basic Task Wizard
Weekly
Create a Basic Task
Trigger
Weekly
Action
Finish
Start: 10/17/2015 6:00:00 AM
Synchronize across time zones
Recur every: 1 weeks on:
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
< Back
Next >
Cancel

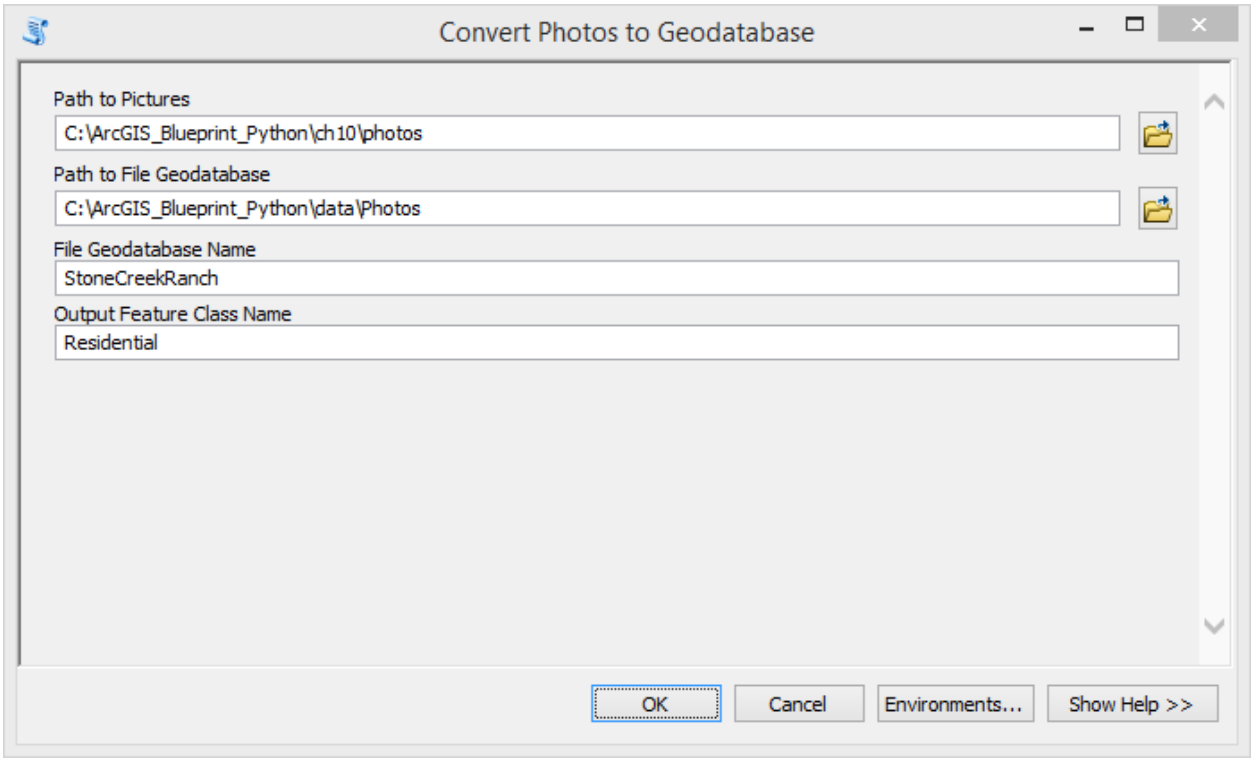

Create Basic Task Wizard
Start a Program
Create a Basic Task
Trigger
Weekly
Action
Start a Program
Finish
Program/script:
C:\ArcGIS_Blueprint_Python\ch9\tweepy_stream.py
Browse...
Add arguments (optional):
Start in (optional):
< Back
Next >
Cancel

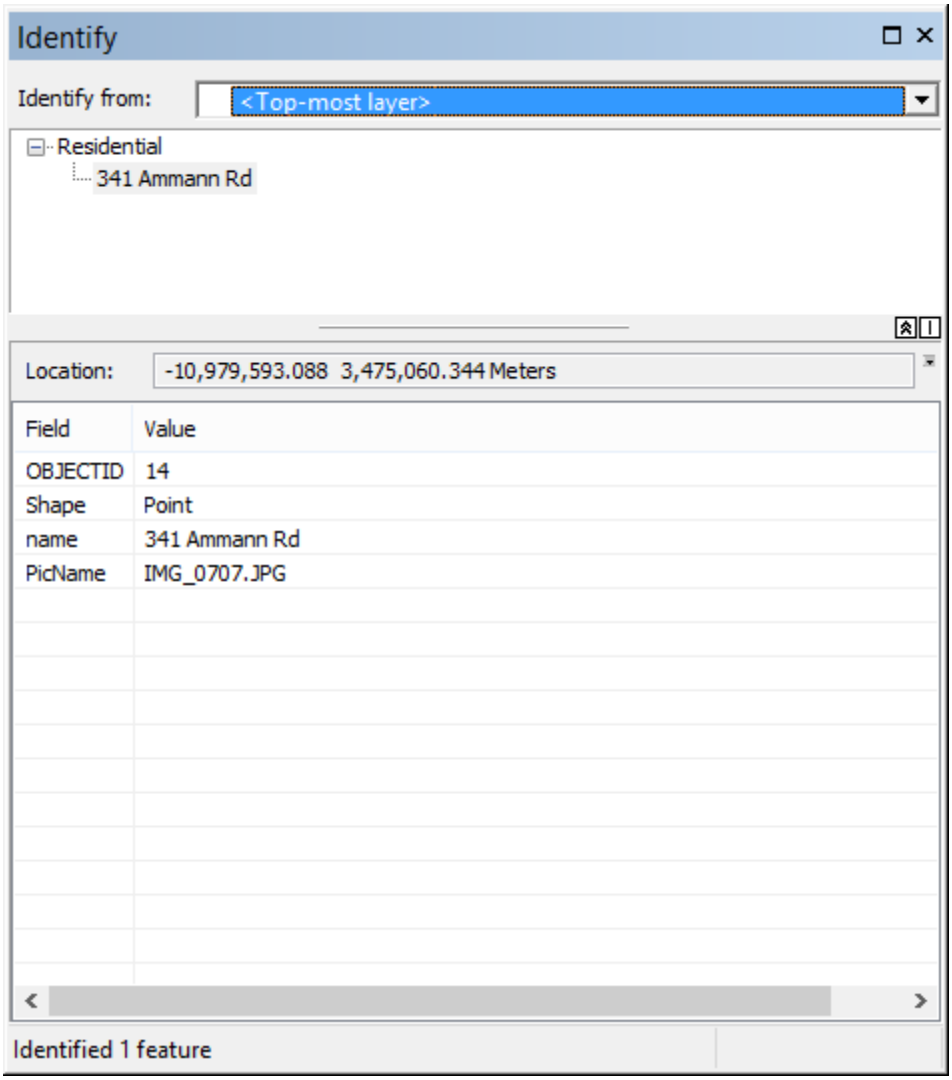

Thomas Dr
Campus Dr
Marrs Spring Rd
B. B. Comer Hall
Hall Annex
Woods Hall
Hardaway Hall
Ten Hoor Hall
Stadium Dr
Ten Hoor Parking Deck
Morgan Hall
Publix
Capstone Dr
Smith Hall
Bidgood Hall
6th Ave
Hackberry Ln
Lloyd Hall
Graves Hall
University Blvd
215
6th St
Nott Hall
Reese Phifer Hall
10th Ave
Rose Admin Dr
Cir
Farrah Hall
Little Hall
Bryant-Denny Stadium
12th Ave
11th Ave
Wallace Wade Ave
University Of Alabama Campus
Sorority
New Hall
Byrd Hall
Wilson Hall
PHI MU
Magnolia Dr
Bamwell Hall
Mary Burke Hall
5th Ave
Paul W Bryant Dr
Evergreen Cemetery

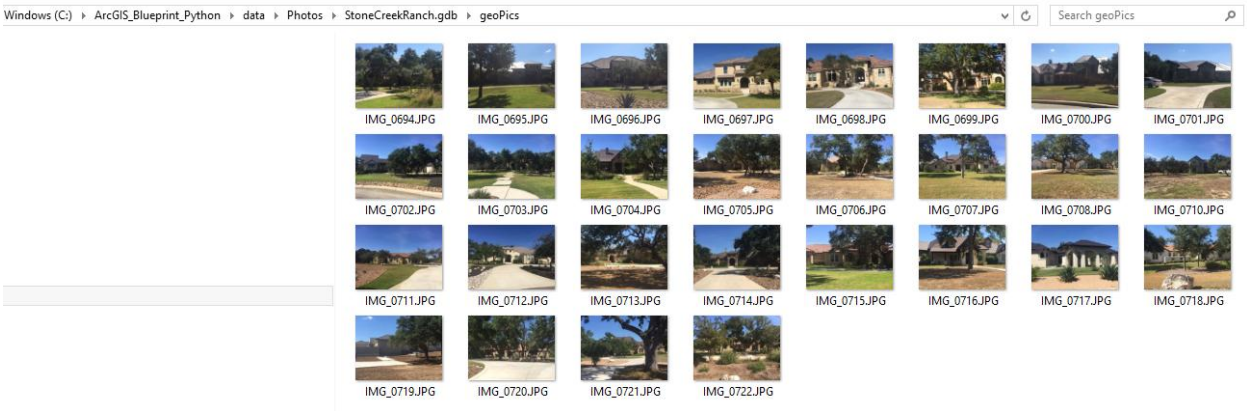

Windows Task Scheduler
Python Script
ArcPy
Tweepy
Tweet Geodatabase
Twitter


CANADA
ancouver
Seattle
Montr
UNITED
STATES
Chicago
Detroit
New Yo
Philadelph
Washington
an Francisco
Los Angeles
Atlanta
Dallas
Houston
Gulf of
Mexico
Miami
MÉXICO
Havana
Mexico
City
Caribbea

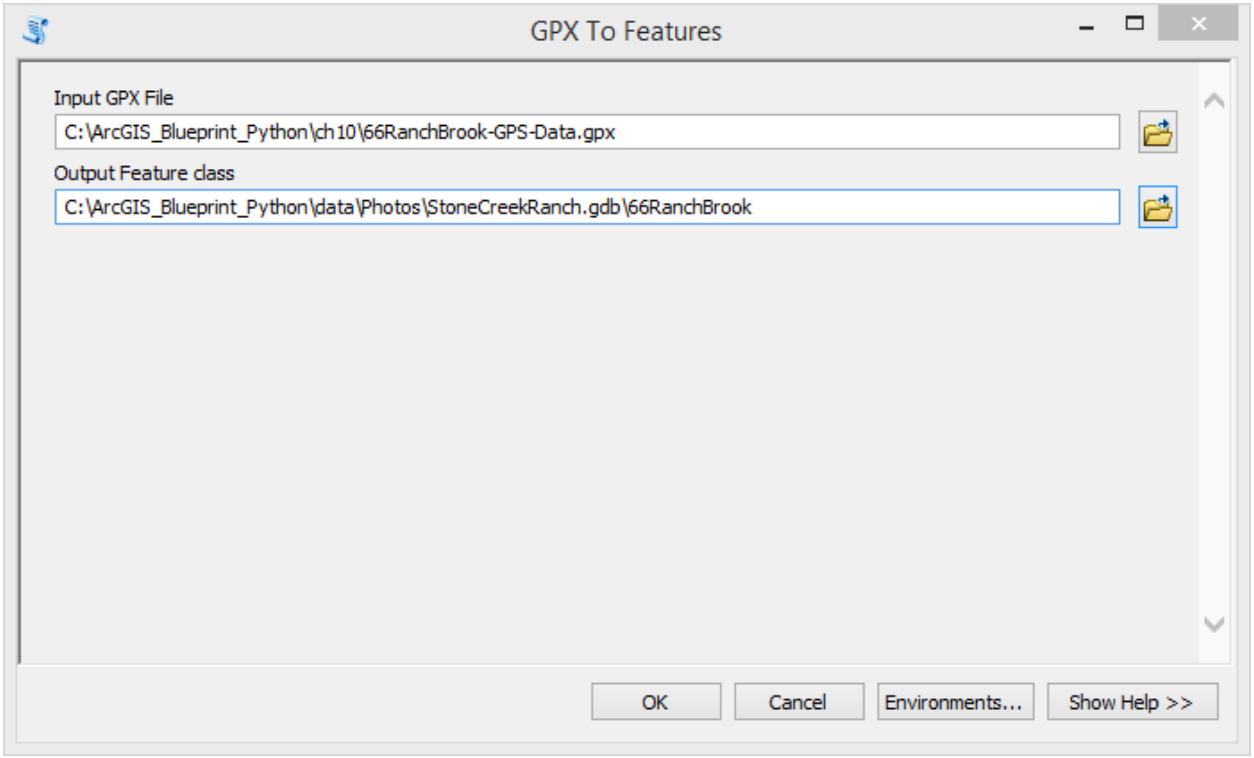
Chapter 10


Convert Photos to Geodatabase
Path to Pictures
C:\ArcGIS_Blueprint_Python\ch10\photos
Path to File Geodatabase
C:\ArcGIS_Blueprint_Python\data\Photos
File Geodatabase Name
StoneCreekRanch
Output Feature Class Name
Residential
OK
Cancel
Environments...
Show Help >>


Identify
Identify from:
<Top-most layer>
Residential
341 Ammann Rd
Location:
-10,979,593.088 3,475,060.344 Meters
Field
Value
OBJECTID
14
Shape
Point
name
341 Ammann Rd
PicName
IMG_0707.JPG
Identified 1 feature


Windows (C:) ▸ ArcGIS_Blueprint_Python ▸ data ▸ Photos ▸ StoneCreekRanch.gdb ▸ geoPics
Search geoPics
IMG_0694.JPG
IMG_0695.JPG
IMG_0696.JPG
IMG_0697.JPG
IMG_0698.JPG
IMG_0699.JPG
IMG_0700.JPG
IMG_0701.JPG
IMG_0702.JPG
IMG_0703.JPG
IMG_0704.JPG
IMG_0705.JPG
IMG_0706.JPG
IMG_0707.JPG
IMG_0708.JPG
IMG_0710.JPG
IMG_0711.JPG
IMG_0712.JPG
IMG_0713.JPG
IMG_0714.JPG
IMG_0715.JPG
IMG_0716.JPG
IMG_0717.JPG
IMG_0718.JPG
IMG_0719.JPG
IMG_0720.JPG
IMG_0721.JPG
IMG_0722.JPG


CONTOUR


GPX To Features
Input GPX File
C:\ArcGIS_Blueprint_Python\ch10\66RanchBrook-GPS-Data.gpx
Output Feature class
C:\ArcGIS_Blueprint_Python\data\Photos\StoneCreekRanch.gdb\66RanchBrook
OK
Cancel
Environments...
Show Help >>

Dropbox, Inc [US] https://www.dropbox.com/developers-v1/apps

Eric Pimpler

Your apps

Create app

- Developer home
- **App Console**
  - Browse datastores
- Drop-ins
- Core API
- Dropbox for Business API
- Webhooks
- Developer guide
- OAuth guide
- Branding guide

- Blog
- Support

You haven't created any apps.

Create a new Dropbox Platform app

What type of app do you want to create?

Drop-ins app
Chooser or Saver

Dropbox API app

To create a Dropbox for Business app, visit the Dropbox for Business app creation page.

Can your app be limited to its own folder?

- (•) Yes — My app only needs access to files it creates.
- ( ) No — My app needs access to files already on Dropbox.

Provide an app name, and you're on your way.

RealEstatePhotos

Terms of Service

- [x] I agree to Dropbox API Terms and Conditions

Create app

RealEstatePhotos

Settings | Branding | Analytics

Status	Development	Apply for production
Development users	Only you	Enable additional users
Permission type	App folder	
App folder name	RealEstatePhotos	Change
App key	[redacted]	
App secret	[redacted]	

OAuth 2

Redirect URIs

https:// (http allowed for localhost) Add

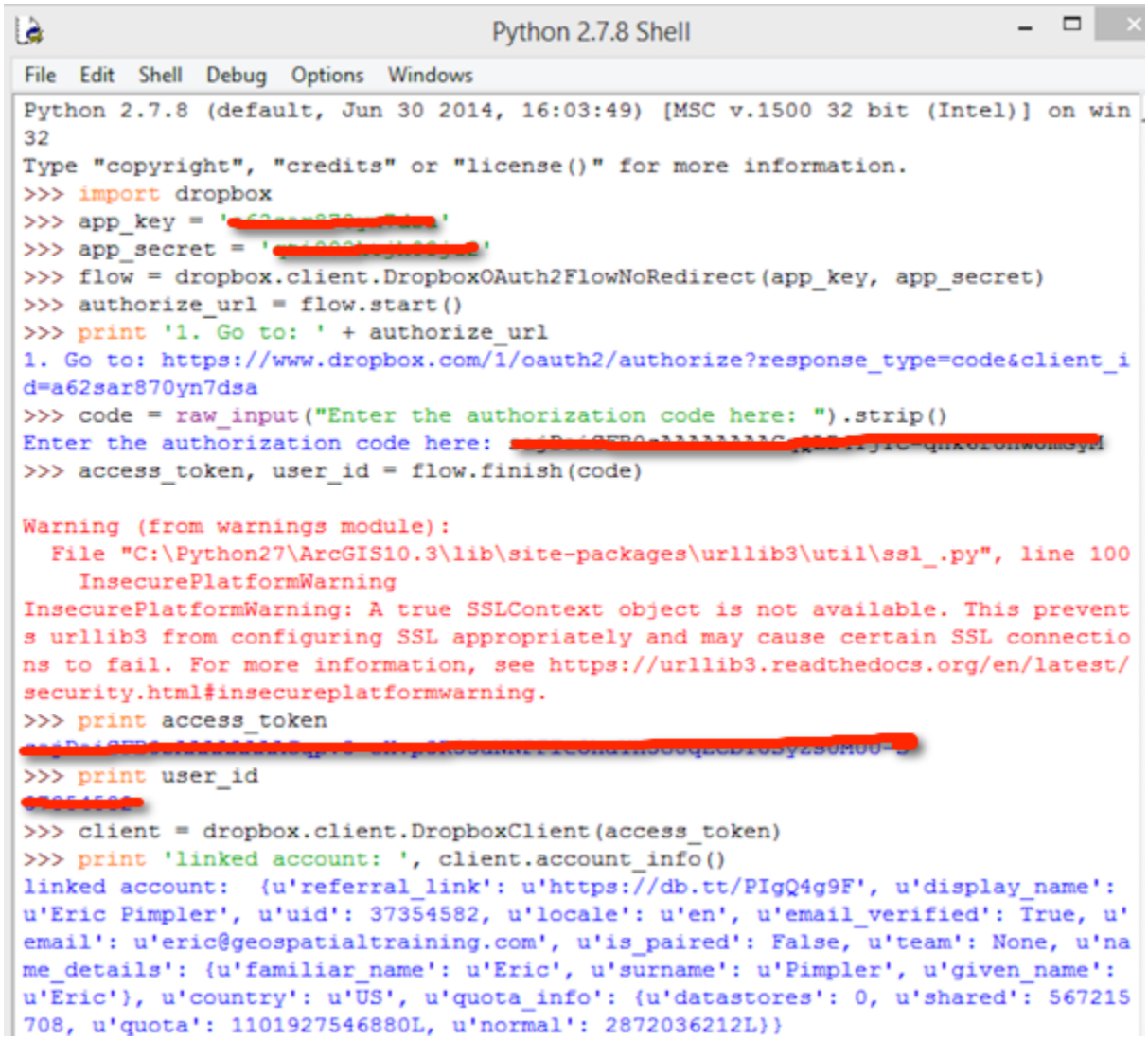
Allow implicit grant

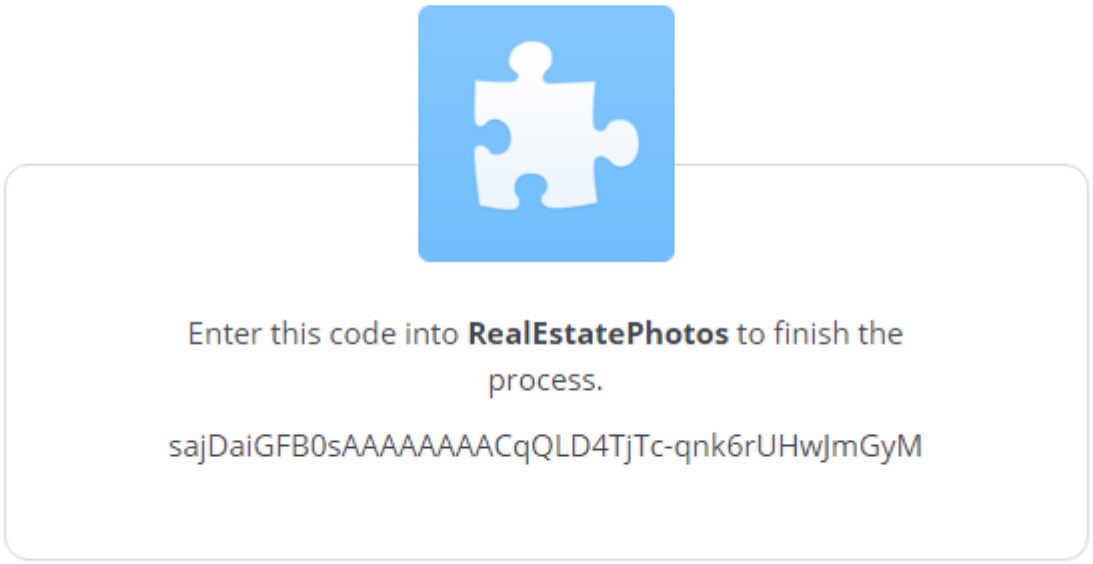
Allow

RealEstatePhotos would like access to its own folder, Apps › **RealEstatePhotos**, inside your Dropbox. Learn more

Cancel

Allow

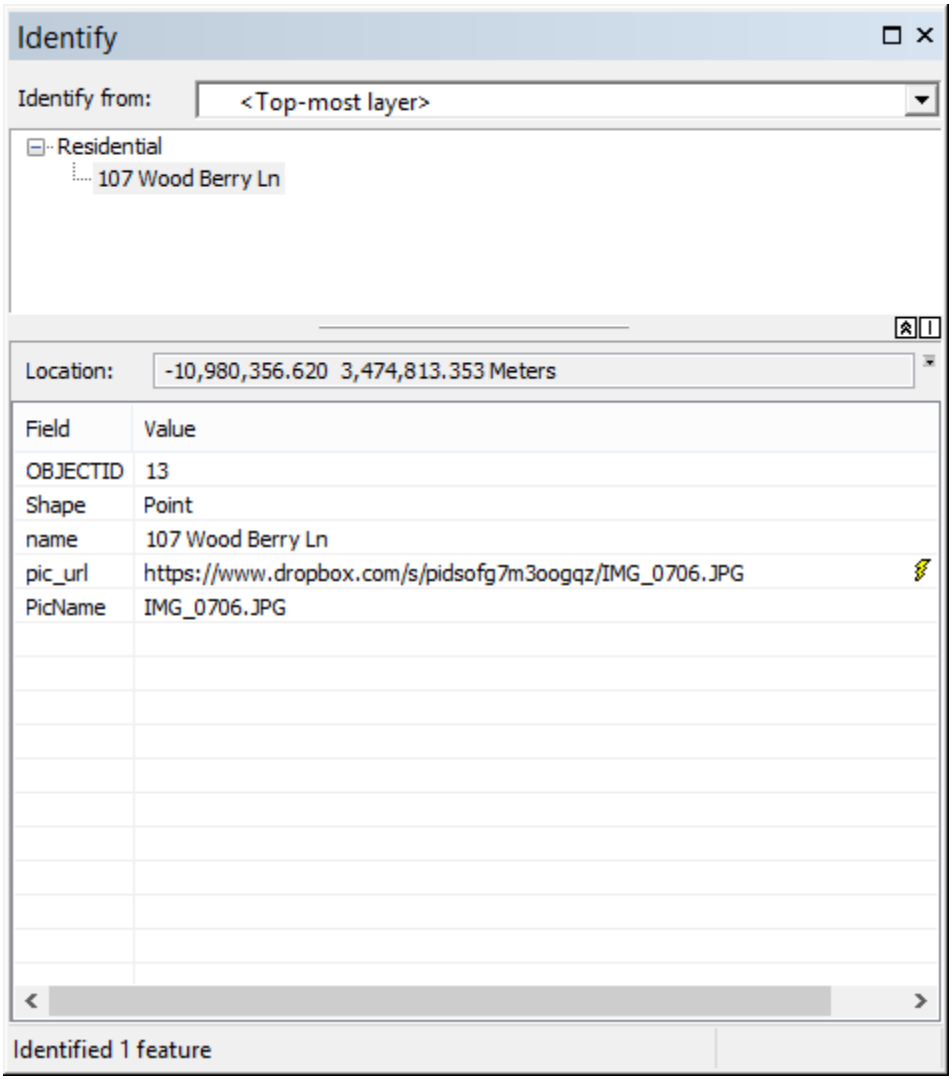

Python 2.7.8 Shell
File Edit Shell Debug Options Windows
Python 2.7.8 (default, Jun 30 2014, 16:03:49) [MSC v.1500 32 bit (Intel)] on win
32
Type "copyright", "credits" or "license()" for more information.
>>> import dropbox
>>> app_key = '[redacted]'
>>> app_secret = '[redacted]'
>>> flow = dropbox.client.DropboxOAuth2FlowNoRedirect(app_key, app_secret)
>>> authorize_url = flow.start()
>>> print '1. Go to: ' + authorize_url
1. Go to: https://www.dropbox.com/1/oauth2/authorize?response_type=code&client_i
d=a62sar870yn7dsa
>>> code = raw_input("Enter the authorization code here: ").strip()
Enter the authorization code here: [redacted]
>>> access_token, user_id = flow.finish(code)
Warning (from warnings module):
File "C:\Python27\ArcGIS10.3\lib\site-packages\urllib3\util\ssl_.py", line 100
InsecurePlatformWarning
InsecurePlatformWarning: A true SSLContext object is not available. This prevent
s urllib3 from configuring SSL appropriately and may cause certain SSL connectio
ns to fail. For more information, see https://urllib3.readthedocs.org/en/latest/
security.html#insecureplatformwarning.
>>> print access_token
[redacted]
>>> print user_id
[redacted]
>>> client = dropbox.client.DropboxClient(access_token)
>>> print 'linked account: ', client.account_info()
linked account: {u'referral_link': u'https://db.tt/PIgQ4g9F', u'display_name':
u'Eric Pimpler', u'uid': 37354582, u'locale': u'en', u'email_verified': True, u'
email': u'eric@geospatialtraining.com', u'is_paired': False, u'team': None, u'na
me_details': {u'familiar_name': u'Eric', u'surname': u'Pimpler', u'given_name':
u'Eric'}, u'country': u'US', u'quota_info': {u'datastores': 0, u'shared': 567215
708, u'quota': 1101927546880L, u'normal': 2872036212L}}



Python 2.7.8 Shell

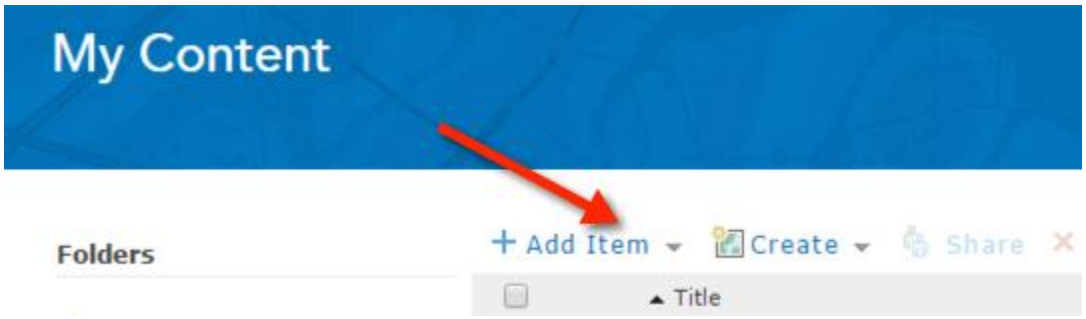
File Edit Shell Debug Options Windows Help

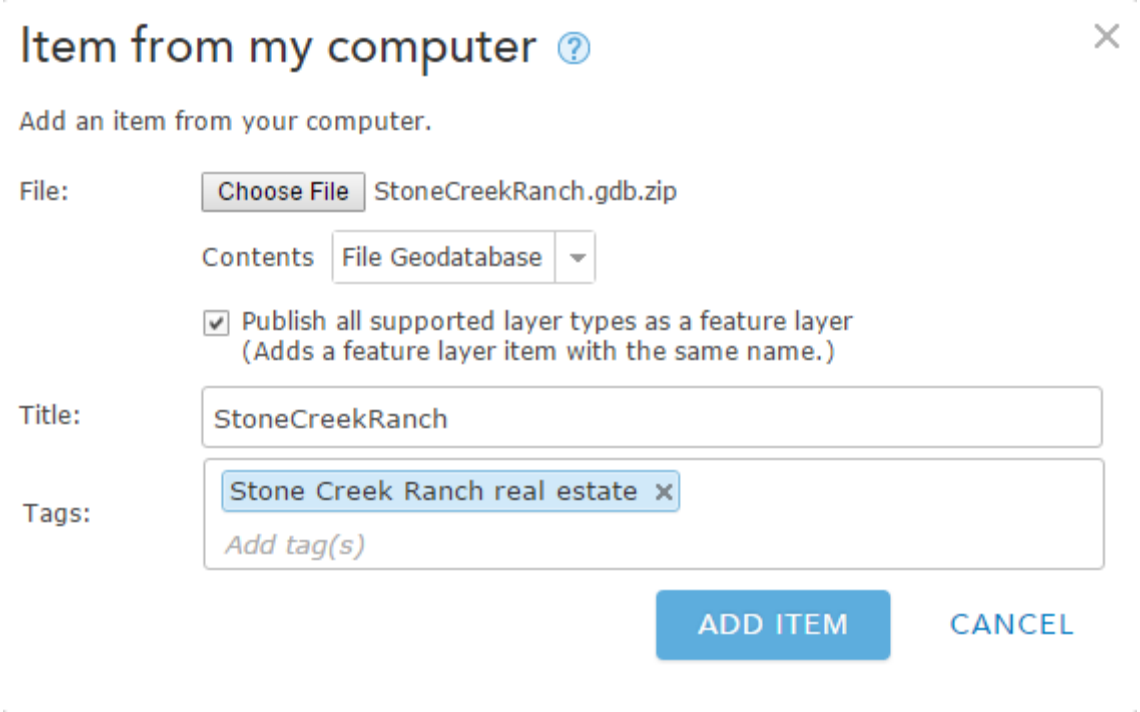
```
Python 2.7.8 (default, Jun 30 2014, 16:03:49) [MSC v.1500 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> import dropbox
>>> app_key = 'a62sar870yn7dsa'
>>> app_secret = 'qti803ktjh03je2'
>>> flow = dropbox.client.DropboxOAuth2FlowNoRedirect(app_key, app_secret)
>>> authorize_url = flow.start()
>>> print '1. Go to: ' + authorize_url
1. Go to: https://www.dropbox.com/1/oauth2/authorize?response_type=code&client_id=a62sar870yn7dsa
>>> code = raw_input("Enter the authorization code here: ").strip()
Enter the authorization code here: sajDaiGFB0sAAAAAAAACqQLD4TjTc-qnk6rUHwJmGyM
>>> access_token, user_id = flow.finish(code)

Warning (from warnings module):
  File "C:\Python27\ArcGIS10.3\lib\site-packages\urllib3\util\ssl_.py", line 100
    InsecurePlatformWarning
InsecurePlatformWarning: A true SSLContext object is not available. This prevents urllib3 from configuring SSL appropr
iately and may cause certain SSL connections to fail. For more information, see https://urllib3.readthedocs.org/en/lat
est/security.html#insecureplatformwarning.
>>> print access_token
sajDaiGFB0sAAAAAAAACqpvO-oHvp3R33aNNPFIeOhaYH3o8qECbYUSyZs0MUU-S
>>> print user_id
37354582
>>> client = dropbox.client.DropboxClient(access_token)
>>> print 'linked account: ', client.account_info()
linked account:  {u'referral_link': u'https://db.tt/PIgQ4g9F', u'display_name': u'Eric Pimpler', u'uid': 37354582, u'l
ocale': u'en', u'email_verified': True, u'email': u'eric@geospatialtraining.com', u'is_paired': False, u'team': None,
u'name_details': {u'familiar_name': u'Eric', u'surname': u'Pimpler', u'given_name': u'Eric'}, u'country': u'US', u'quo
ta_info': {u'datastores': 0, u'shared': 567215708, u'quota': 1101927546880L, u'normal': 2872036212L}}
```

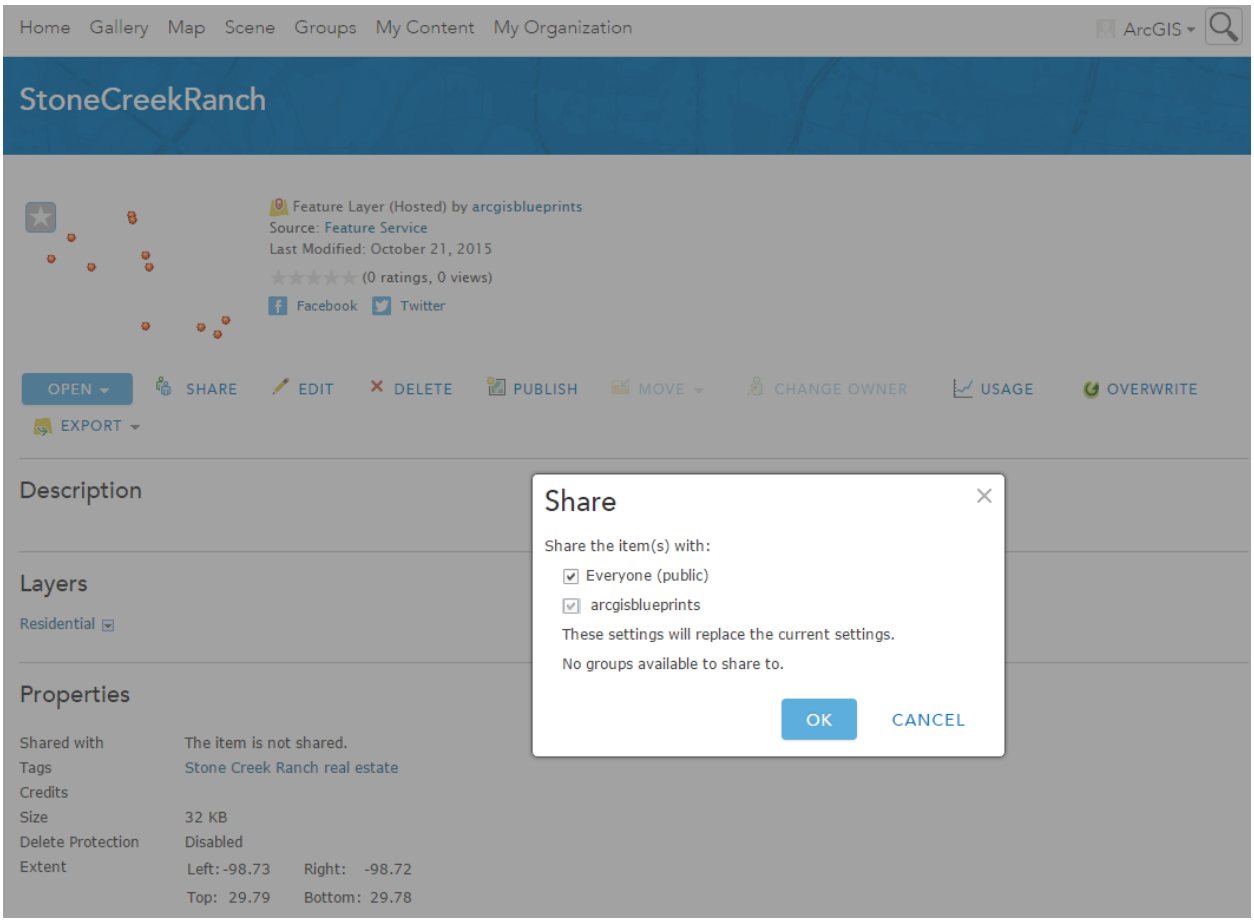

Identify
Identify from:
<Top-most layer>
Residential
107 Wood Berry Ln
Location:
-10,980,356.620 3,474,813.353 Meters
Field
Value
OBJECTID
13
Shape
Point
name
107 Wood Berry Ln
pic_url
https://www.dropbox.com/s/pidsofg7m3oogqz/IMG_0706.JPG
PicName
IMG_0706.JPG
Identified 1 feature

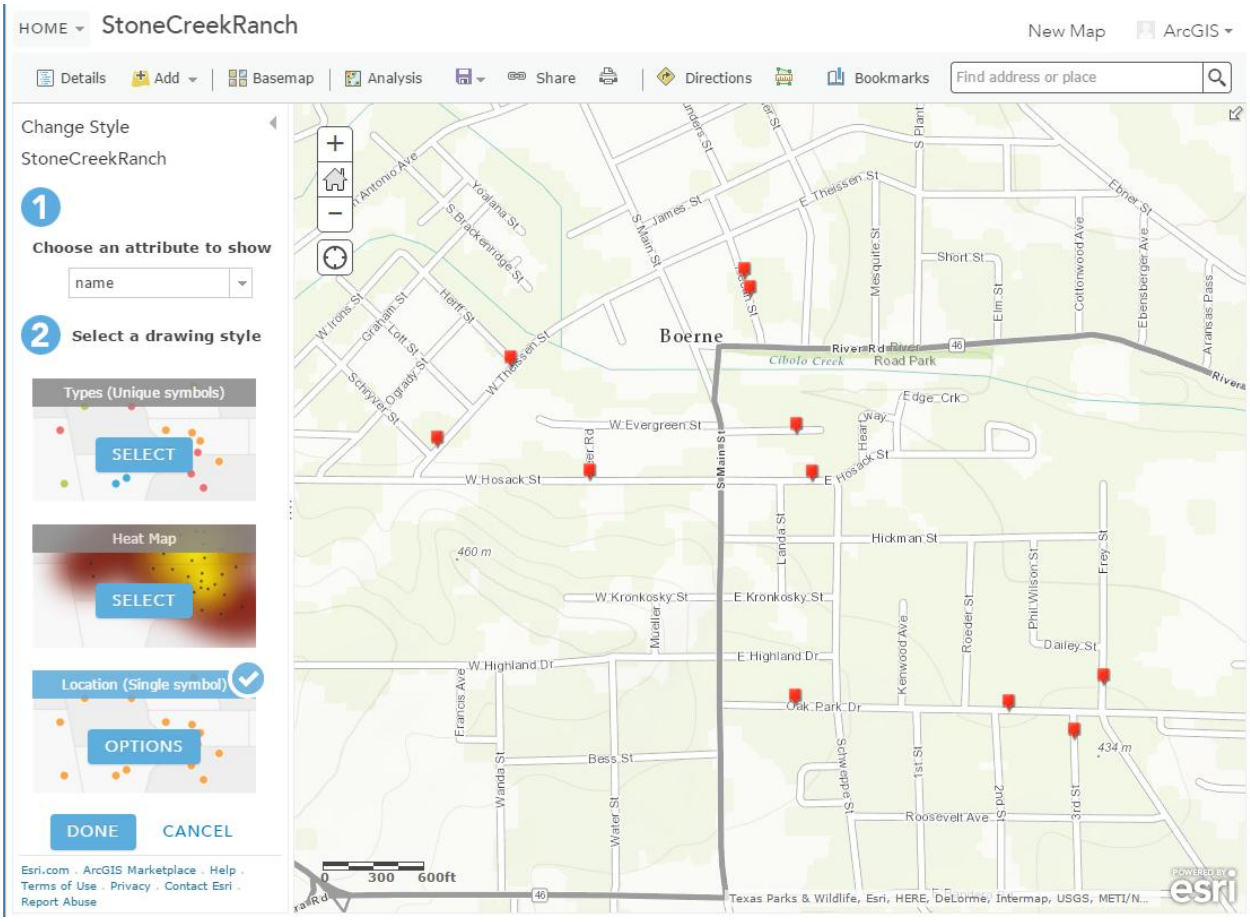
Dropbox > Apps > RealEstatePhotos

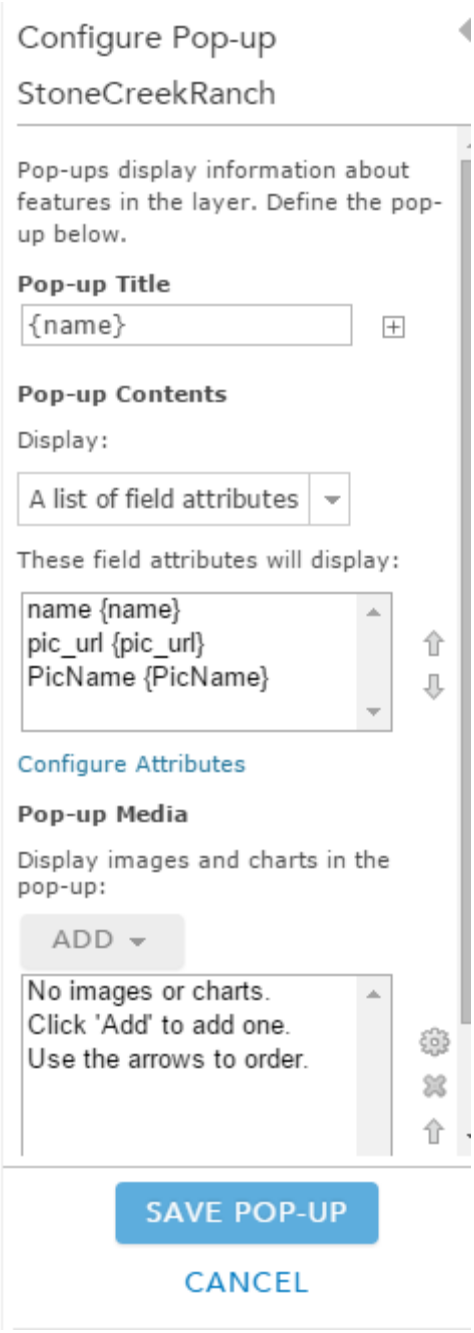
Name	Modified
IMG_0694.JPG	4 hrs ago
IMG_0695.JPG	4 hrs ago
IMG_0696.JPG	5 hrs ago
IMG_0697.JPG	5 hrs ago
IMG_0698.JPG	5 hrs ago
IMG_0699.JPG	5 hrs ago
IMG_0700.JPG	5 hrs ago
IMG_0701.JPG	5 hrs ago
IMG_0702.JPG	5 hrs ago

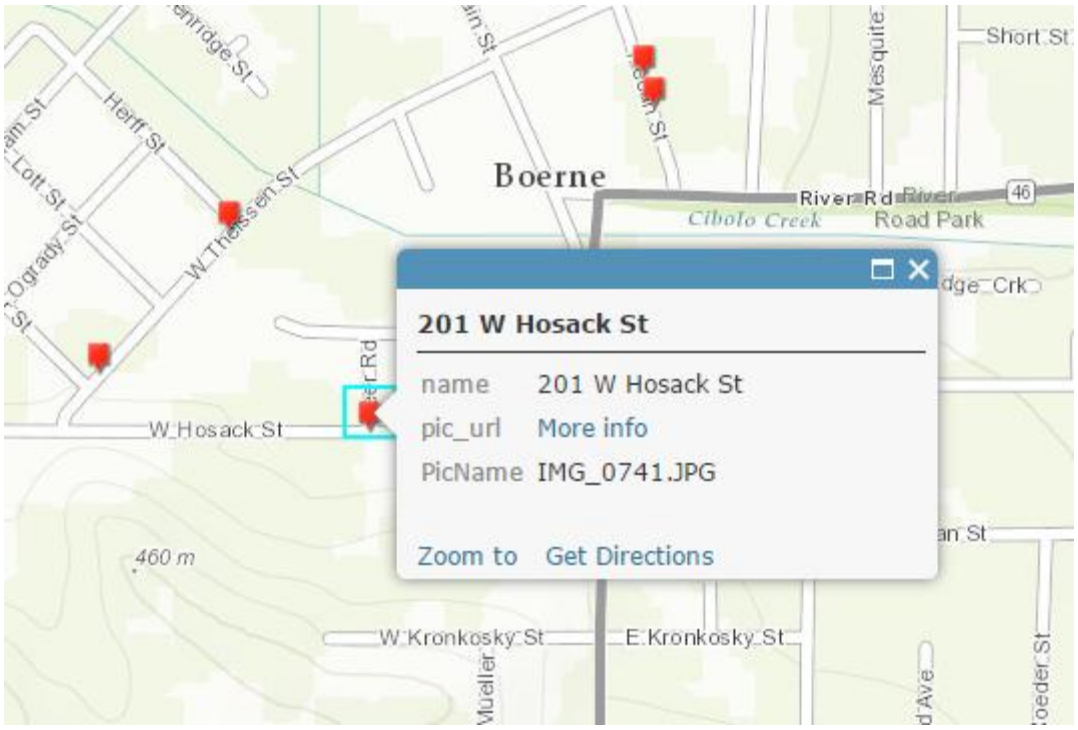


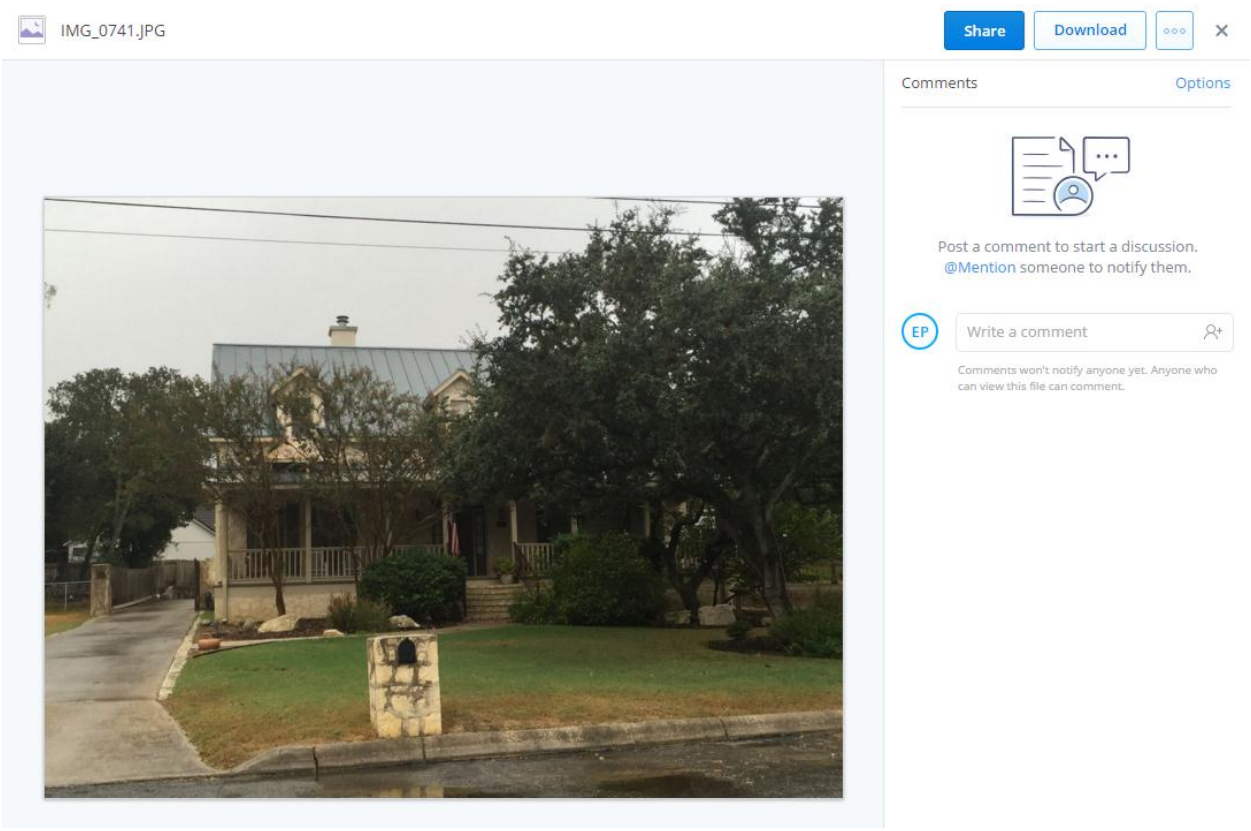

Item from my computer
Add an item from your computer.
File:
Choose File
StoneCreekRanch.gdb.zip
Contents
File Geodatabase
Publish all supported layer types as a feature layer
(Adds a feature layer item with the same name.)
Title:
StoneCreekRanch
Tags:
Stone Creek Ranch real estate
Add tag(s)
ADD ITEM
CANCEL

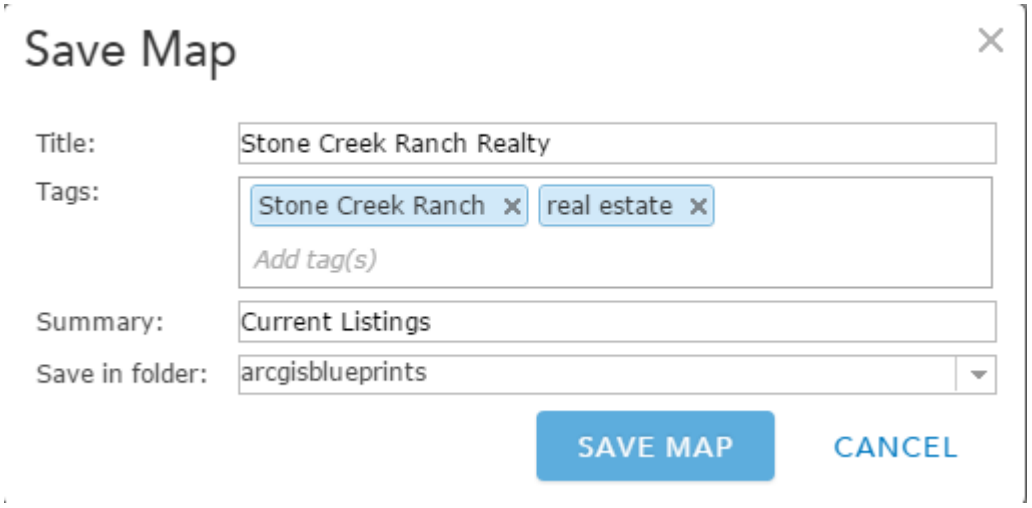

Home
Gallery
Map
Scene
Groups
My Content
My Organization
ArcGIS
StoneCreekRanch
Feature Layer (Hosted) by arcgisblueprints
Source: Feature Service
Last Modified: October 21, 2015
(0 ratings, 0 views)
Facebook
Twitter
OPEN
SHARE
EDIT
DELETE
PUBLISH
MOVE
CHANGE OWNER
USAGE
OVERWRITE
EXPORT
Description
Layers
Residential
Properties
Shared with
The item is not shared.
Tags
Stone Creek Ranch real estate
Credits
Size
32 KB
Delete Protection
Disabled
Extent
Left: -98.73
Right: -98.72
Top: 29.79
Bottom: 29.78
Share
Share the item(s) with:
Everyone (public)
arcgisblueprints
These settings will replace the current settings.
No groups available to share to.
OK
CANCEL


HOME
StoneCreekRanch
New Map
ArcGIS
Details
Add
Basemap
Analysis
Share
Directions
Bookmarks
Find address or place
Change Style
StoneCreekRanch
1
Choose an attribute to show
name
2
Select a drawing style
Types (Unique symbols)
SELECT
Heat Map
SELECT
Location (Single symbol)
OPTIONS
DONE
CANCEL
Esri.com . ArcGIS Marketplace . Help .
Terms of Use . Privacy . Contact Esri .
Report Abuse
Boerne
Cibolo Creek
River Road Park
W Evergreen St
W Hosack St
E Hosack St
S Main St
Hickman St
W Kronkosky St
E Kronkosky St
E Highland Dr
W Highland Dr
Oak Park Dr
Bess St
Roosevelt Ave
Short St
E Theissen St
S James St
S Plant
Ebner St
Cottonwood Ave
Ebensberger Ave
Arapas Pass
Landa St
Mueller
Roeder St
Kenwood Ave
Phil Wilson St
Frey St
Dailey St
Francis Ave
Wanda St
Water St
Scharbauer St
1st St
2nd St
3rd St
Mesquite St
Elm St
Edge Crk
Heart Way
460 m
434 m
0 300 600ft
Texas Parks & Wildlife, Esri, HERE, DeLorme, Intermap, USGS, METI/N...
POWERED BY esri


Configure Pop-up
StoneCreekRanch
Pop-ups display information about features in the layer. Define the pop-up below.
Pop-up Title
{name}
Pop-up Contents
Display:
A list of field attributes
These field attributes will display:
name {name}
pic_url {pic_url}
PicName {PicName}
Configure Attributes
Pop-up Media
Display images and charts in the pop-up:
ADD
No images or charts.
Click 'Add' to add one.
Use the arrows to order.
SAVE POP-UP
CANCEL


Boerne
Short St
Mesquite
River Rd
46
Cibolo Creek
River Road Park
W Thielepape St
W Hosack St
201 W Hosack St
name 201 W Hosack St
pic_url More info
PicName IMG_0741.JPG
Zoom to
Get Directions
460 m
W Kronkosky St
E Kronkosky St


IMG_0741.JPG
Share
Download
Comments
Options
Post a comment to start a discussion.
@Mention someone to notify them.
EP
Write a comment
Comments won't notify anyone yet. Anyone who can view this file can comment.


Save Map
Title:
Stone Creek Ranch Realty
Tags:
Stone Creek Ranch
real estate
Add tag(s)
Summary:
Current Listings
Save in folder:
arcgisblueprints
SAVE MAP
CANCEL

Embed in Website

What would you like to embed?

Map

Choose the size of your map.

W 500 X H 400 Allow responsive sizing

Copy and paste HTML to embed in website.

<style>.embed-container {position: relative; padding-bottom: 80%; height: 0; max-width:

Map Options | Add Symbol

Choose options to display on your map.

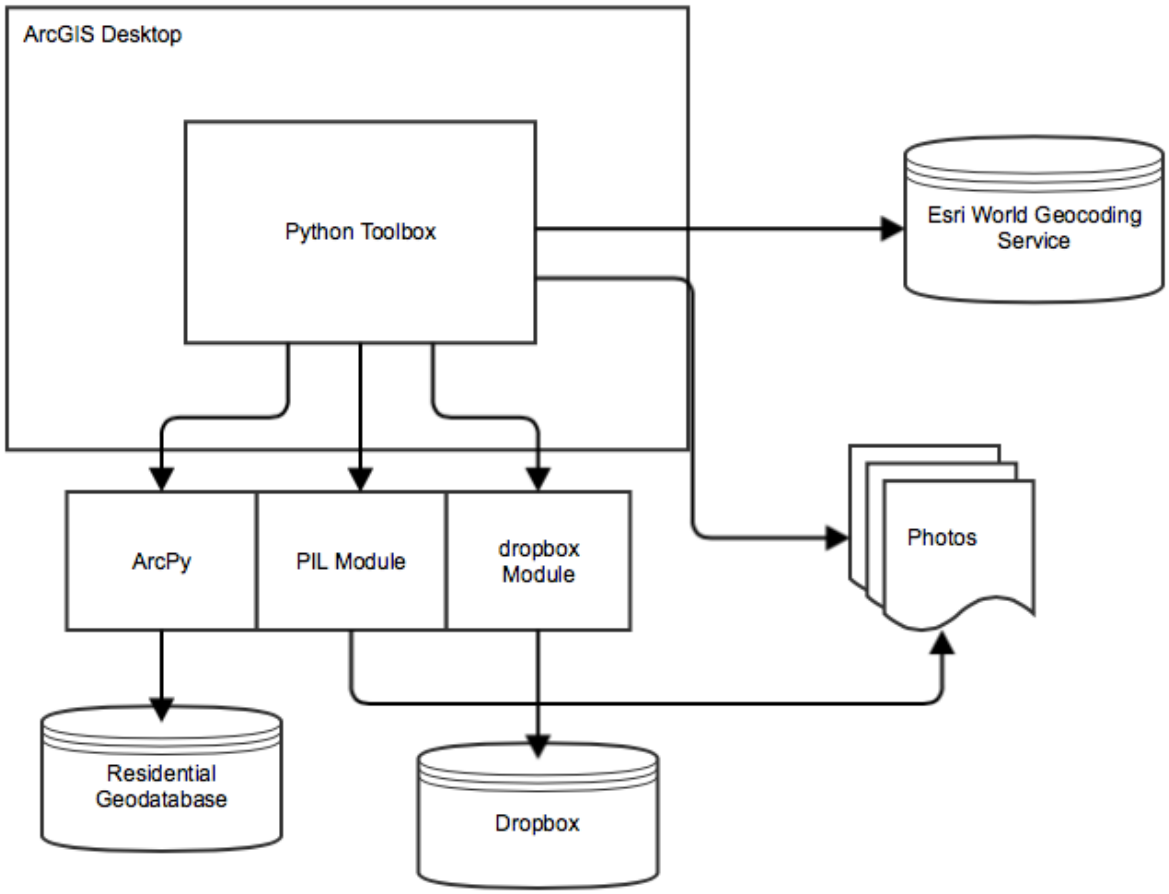
- Zoom Control
- Scale Bar
- Home Button
- Location Search
- Basemap Selector
- Map Details
- View larger map
- Legend
- Disable scroll zoom

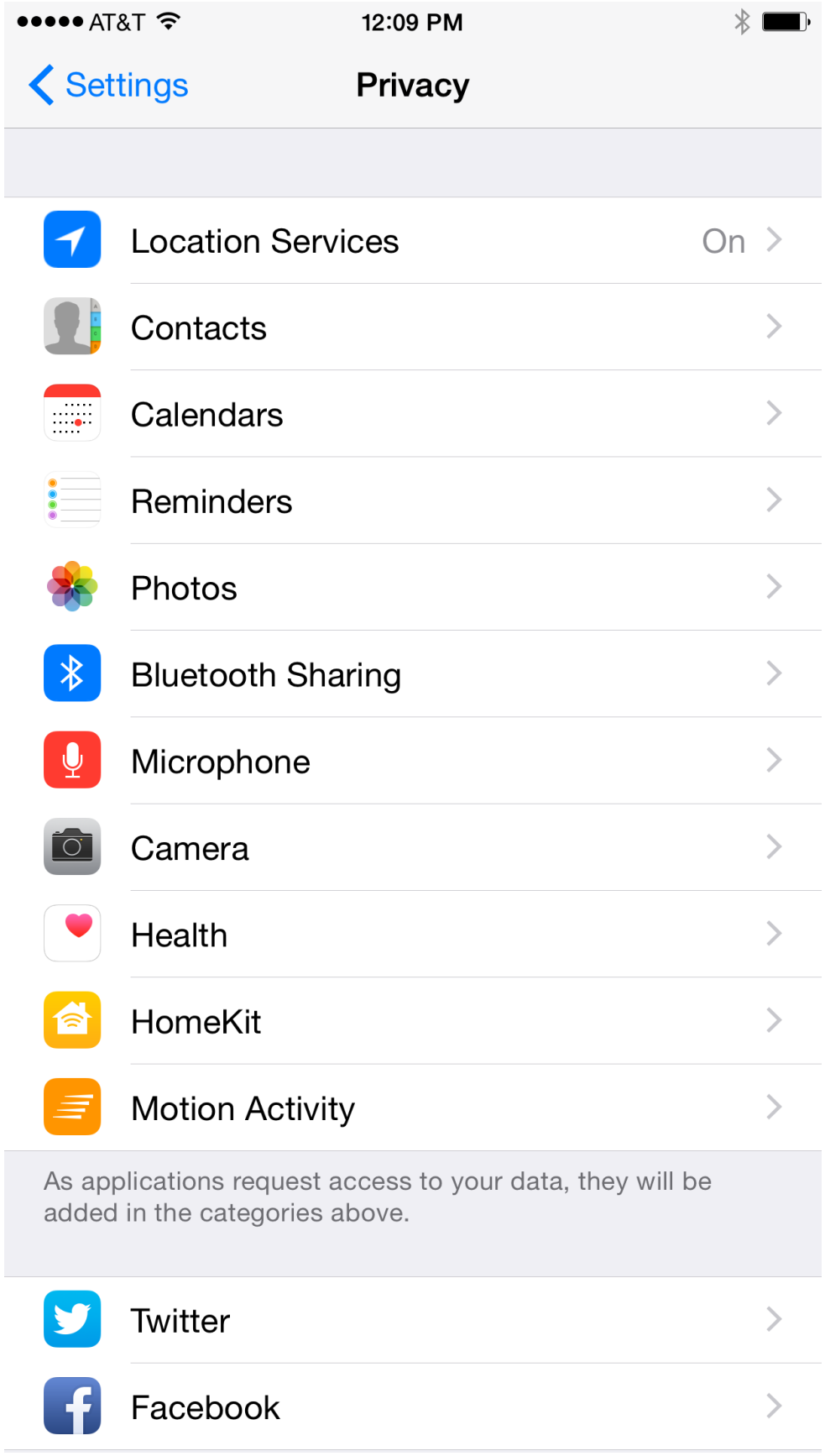
Map Preview

Choose your theme.

Light Dark

BACK DONE


ArcGIS Desktop
Python Toolbox
Esri World Geocoding Service
ArcPy
PIL Module
dropbox Module
Photos
Residential Geodatabase
Dropbox


●●●●● AT&T
12:09 PM
Settings
Privacy
Location Services
On
Contacts
Calendars
Reminders
Photos
Bluetooth Sharing
Microphone
Camera
Health
HomeKit
Motion Activity
As applications request access to your data, they will be added in the categories above.
Twitter
Facebook


●●●●● AT&T
12:11 PM
Privacy
Location Services
Location Services
Location Services uses GPS, Bluetooth, and crowd-sourced Wi-Fi hotspot and cell tower locations to determine your approximate location. About Location Services & Privacy…
Share My Location
This iPhone is being used for location sharing.
App Store While Using
Backup Always
Camera While Using
eKEY Always
Facebook While Using
Fandango While Using
iTopoMaps Never
Maps While Using
MapTrace While Using

Appendix

ArcGIS Services Directory

Home

Folder: /

Current Version: 10.01

View Footprints In: Google Earth

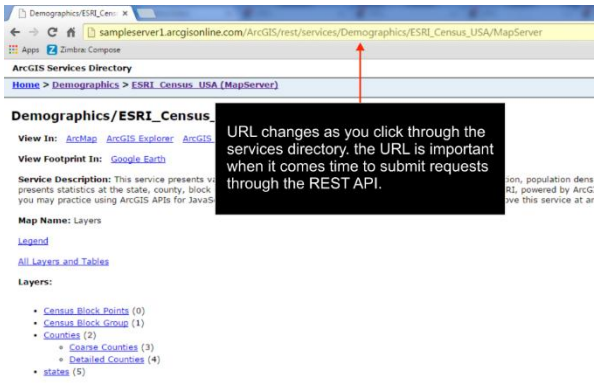
Folders:

- Demographics
- Elevation
- Locators
- Louisville
- Network
- Petroleum
- PublicSafety
- Specialty
- TaxParcel
- WaterTemplate

Services:

- Geometry (GeometryServer)

Supported Interfaces: REST SOAP Sitemap Geo Sitemap



Full Extent:

XMin: -185.337909357176
YMin: 15.2049923316373
XMax: -59.5254874993028
YMax: 74.0824850356176
Spatial Reference: 4269

Units: esriDecimalDegrees

Supported Image Format Types: PNG24,PNG,JPG,DIB,TIFF,EMF,PS,P

Document Info:

- Title: **USCensus**
- Author: **serverxadmin**
- Comments:
- Subject:
- Category:
- Keywords:
- Credits:

Supported Interfaces: REST SOAP

Supported Operations: Export Map Identify Find Generate KML

Find (Demographics/ESRI_Census_USA)

Search Text:	
Contains:	◉ True ○ False
Search Fields:	
Spatial Reference:	
Layers:	
Layer Definitions:	
Return Geometry:	◉ True ○ False
Max Allowable Offset:	
Format:	HTML

Find (GET) Find (POST)