SOFT SITE ANALYSIS TOOL

GIS Users Group Workshop

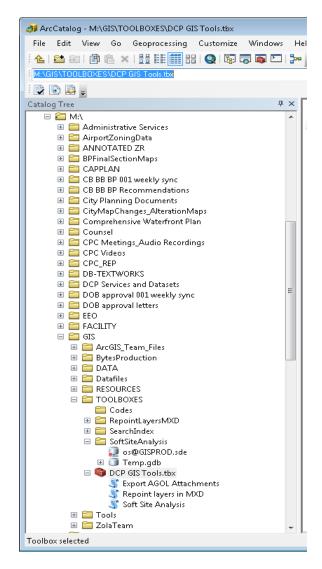
August, 5th 2016



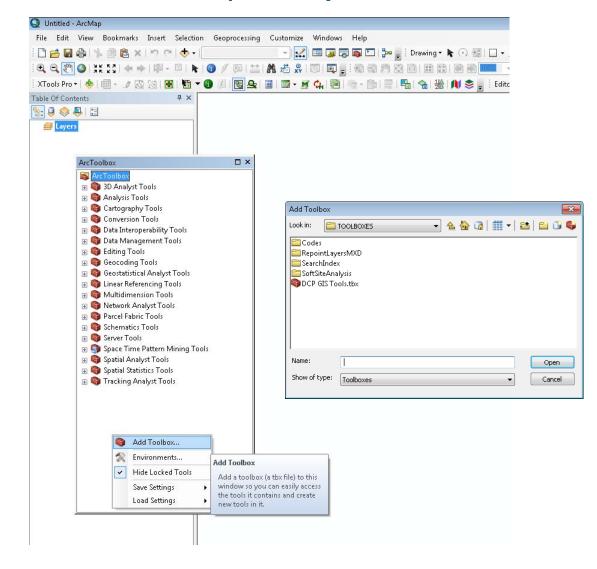




1) ArcCatalog



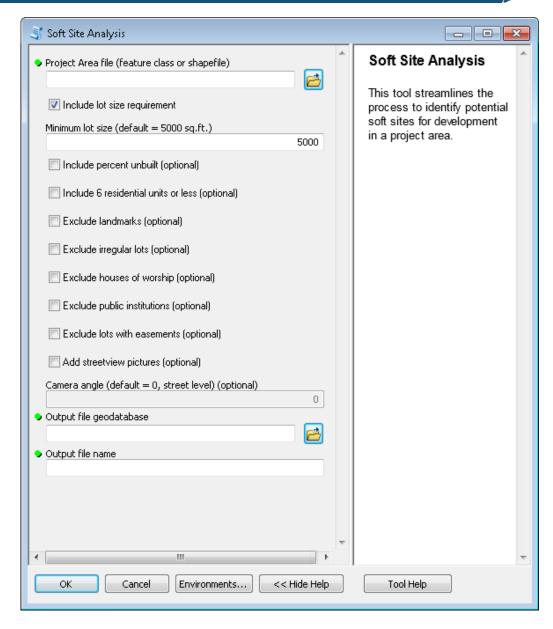
2) ArcMap





Soft Site Analysis Tool:

- Streamlines the process to identify potential soft sites in a project area using MapPLUTO
- All variables are optional
- 3 variables with inclusion parameters
- 5 variables to exclude certain lots
- Option to include Google streetview pictures

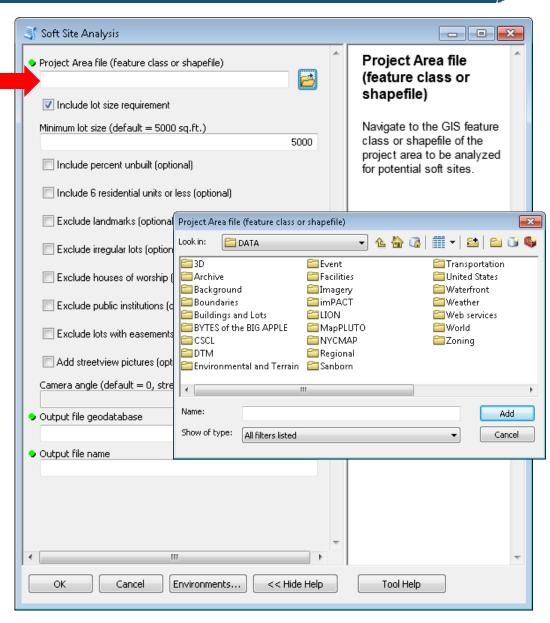




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Project Area:

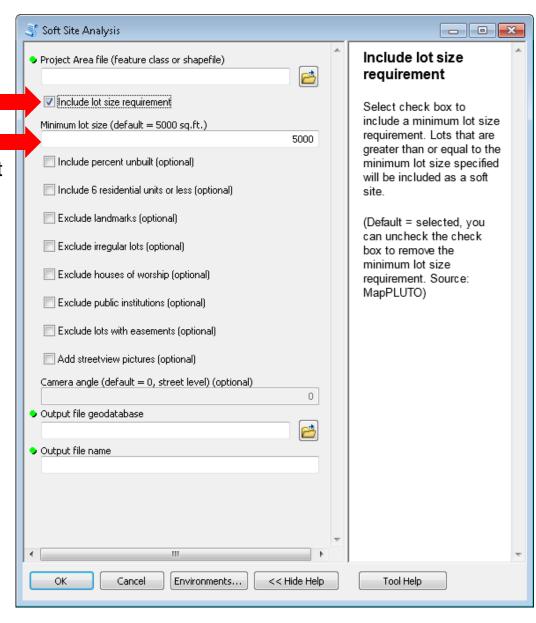
- Import your Project Area feature class or shapefile to be analyzed for potential soft sites
- User: Navigates to the their personal project folder where project area is saved
- Function: The file you import will be used to clip the current version of MapPLUTO
- Result: Only lots within project area will be included in analysis
- Examples: Polygon of study or project area, extract of MapPLUTO lots, etc. (Must be a polygon file and greater than or equal to lot size dimensions)





Minimum Lot Size:

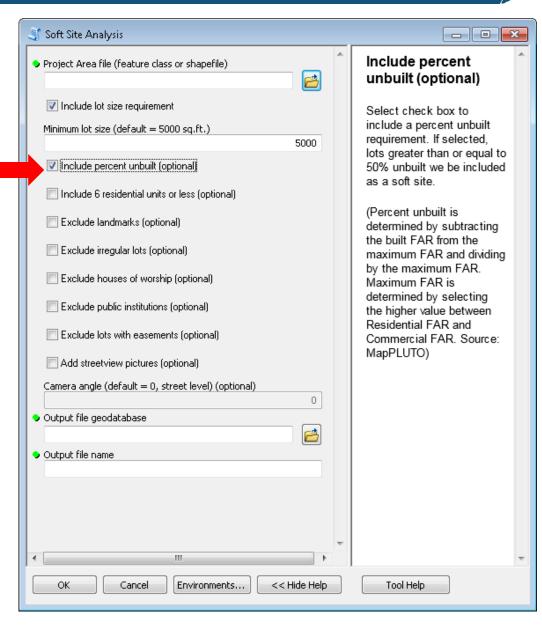
- User:
 - Selects check box to include a minimum lot size requirement (default = checked)
 - 2. Sets the minimum lot size in square feet (default = 5,000 sf)
- Function: Selects lots that are greater than or equal to the size specified
- Result: Lots that are greater than or equal to the size specified will be included as a soft site





Percent Unbuilt:

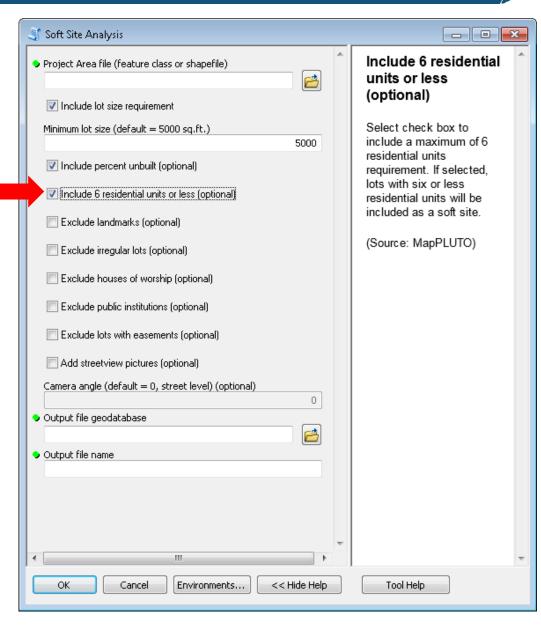
- User: Selects check box to include a percent unbuilt requirement
- Function:
 - Max FAR is determined by selecting higher FAR of R or C
 - 2. The built FAR is subtracted from the Max FAR
 - 3. The difference is divided by Max FAR
- Result: Lots that are greater than or equal to 50% unbuilt will be included as a soft site (Max FAR and % built are added as columns in the final output)





6 or Less Residential Units:

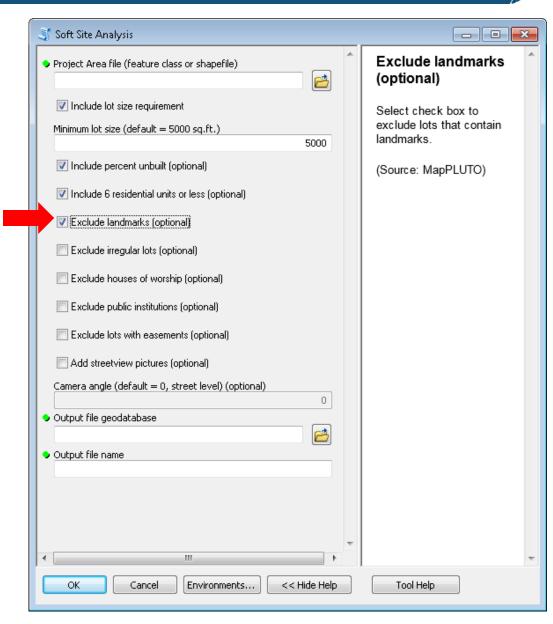
- User: Selects check box to include a requirement of 6 or less residential units
- Function: Selects lots that have
 6 or less residential units
- Results: Lots with 6 or less residential units will be included as a soft site





Exclude Landmarks:

- User: Selects check box to exclude lots with landmark designations
- Function: Selects lots with landmark designations
- Results: Lots with landmark designations will NOT be included as a soft site



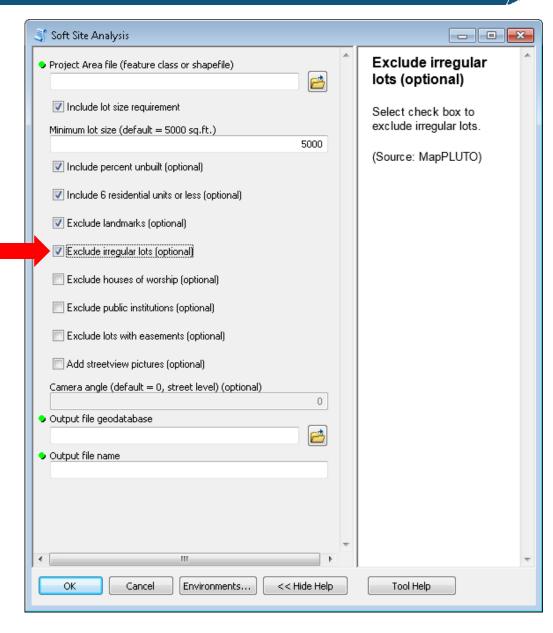


Exclude Irregular Lots:

 User: Selects check box to exclude irregular lots

• Function: Selects irregular lots

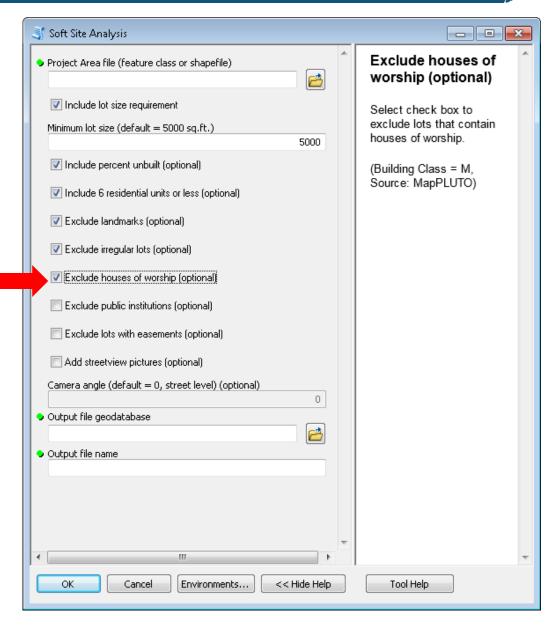
 Results: Irregular lots will NOT be included as a soft site





Exclude Houses of Worship:

- User: Selects check box to exclude lots with houses of worship
- Function: Selects lots with building class field = M (houses of worship)
- Results: Lots with houses of worship will NOT be included as a soft site

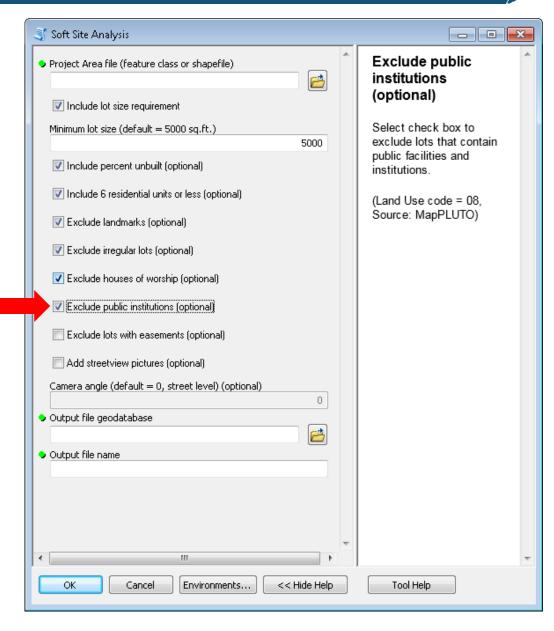




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Exclude Public Institutions:

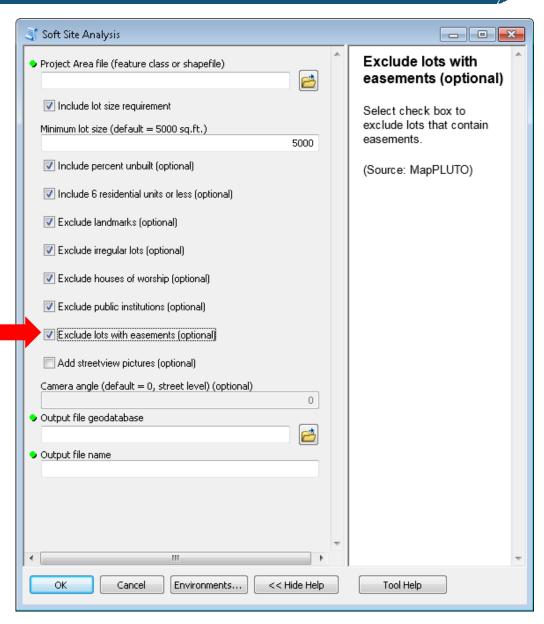
- User: Selects check box to exclude lots with public institutions
- Function: Selects lots with land use code = 08 (Public Facilities & Institutions)
- Results: Lots with public institutions will NOT be included as a soft site





Exclude Easements:

- User: Selects check box to exclude lots with easements
- Function: Selects lots with easements
- Results: Lots with easements will NOT be included as a soft site

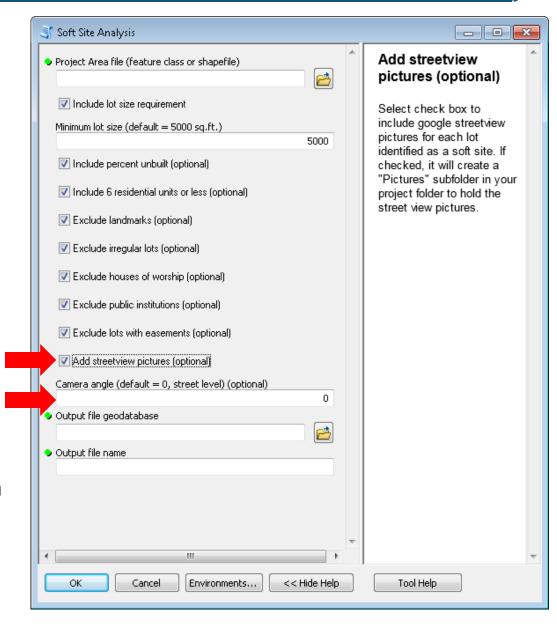






Add Streetview Pictures:

- User:
 - Selects check box to add streetview pictures
 - 2. Sets the camera angle between -90 and 90 degrees (default = 0, street level)
- Function: Uses address and zip code to look up google streetview pic for every soft site.
- Results: Creates a folder called 'Pictures' in your project folder and saves a .jpg for each soft site. Also adds a new column in output table with path to photo.

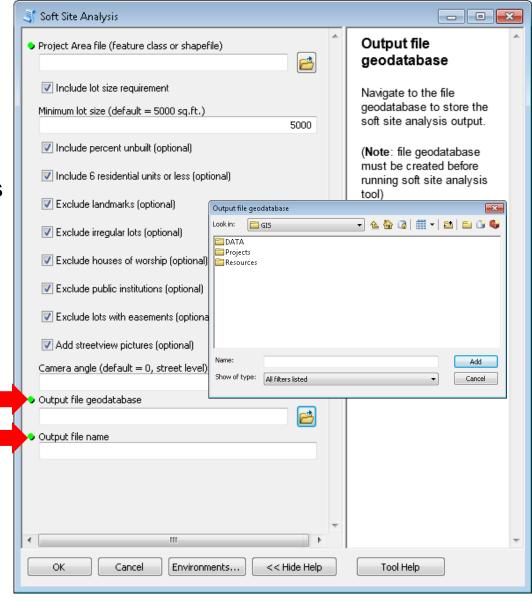




Output File Geodatabase:

- User:
 - 1. Navigates to a saved file geodatabase to store the soft site output feature class (need to create .gdb before running tool)
 - 2. Names the feature class (no spaces, no special characters)

 Function/Result: saves the output to as a feature class in a file geodatabase





Demonstration



Live Demo of Soft Site Analysis Tool

