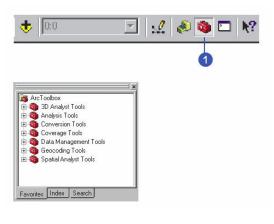
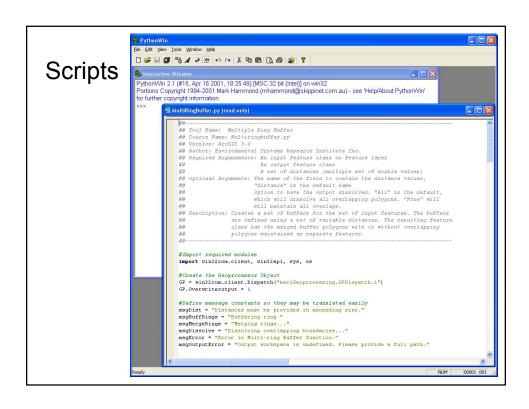
ArcToolBox: Analysis

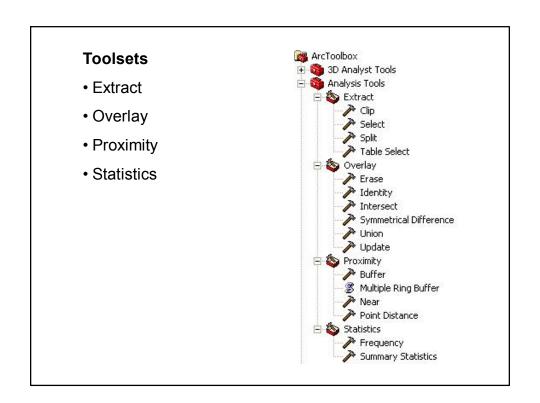


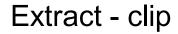
ArcToolBox

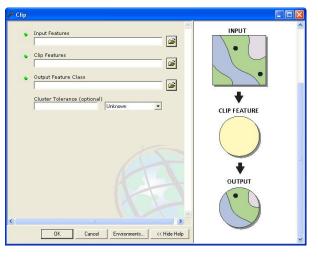
ArctoolBox is available from both ArcCatalog and ArcMap.

- A toolbox can contain tools, toolsets, and scripts and is organized according to the collection of geoprocessing commands it contains.
- A toolset can contain tools, toolsets, and scripts and is organized according to the geoprocessing commands it contains.
- → A tool is a single geoprocessing command.
- A script is a set of instructions usually stored in a file and interpreted, or compiled, at run time.
- A model consists of one process or, more commonly, multiple processes strung together.







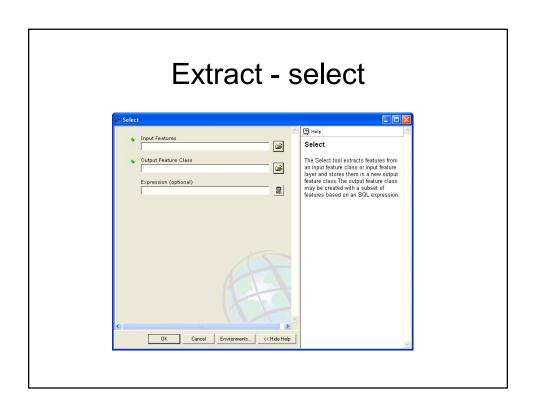


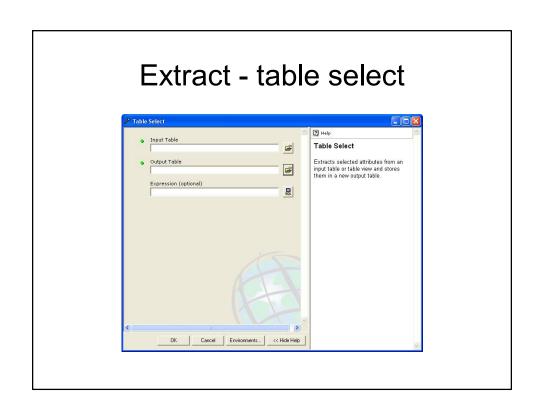
- Clip features must have polygon geometry.
- When using ArcMap layers as input, only the currently selected features are used in the CLIP operation.

Extract - split



- Split features must be polygons.
- The Split Field datatype must be character.





Overlay Procedures

- Determine the spatial reference for processing. All the input feature classes are projected (on the fly) into this spatial reference.
- · Crack and cluster the features.
- Discover geometric relationships (overlap) between the input features and the overlap features.
- · Assign attributes based on the type of overlay.
- Remove features based on the combinations of attributes and overlay types.

