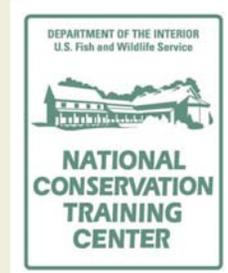


CREATING A LANDCOVER LAYER

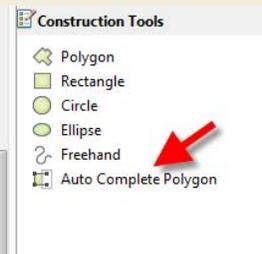
HEADS-UP DIGITIZING IN ARCMAP



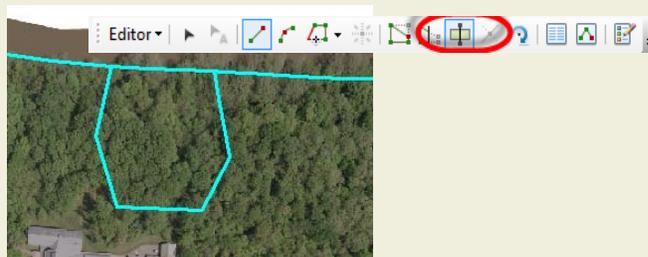
U.S. Fish & Wildlife Service
National Conservation Training Center
Shepherdstown, West Virginia

Two Digitizing Strategies

Auto-complete polygons

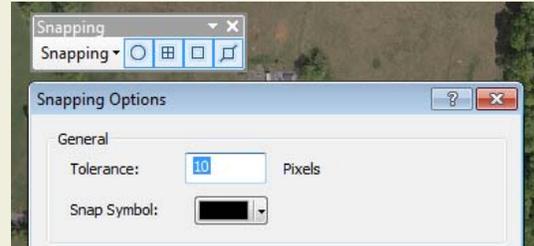
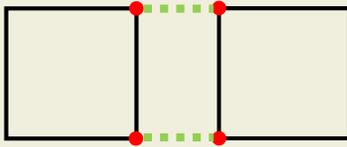


Cut-up a polygon

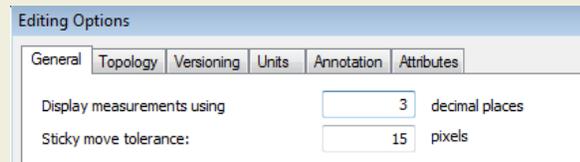
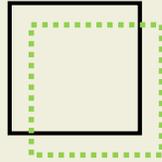


Editing Options - Avoid Errors !

Snapping Tolerance



Sticky Move

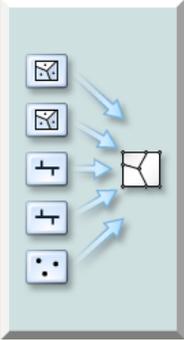


Topology = Awesome Geometry

Define and manage data integrity rules between related features

Helps you identify and clean-up slivers, dangles under and overshoots, gaps and overlaps OH MY!

Creating Topology



Must Create in ArcCatalog

Must exist within a Feature Dataset

Only 1 per Feature Dataset

Topology Rules

Over 25, we'll explore 3

Must Not Overlap

Must Not Have Gaps

Must Be Covered By **Feature Class Of**

Must Not Overlap

Add Rule

Features of feature class: LC_Premade

Rule: Must Not Overlap

Feature class:

Rule Description

An area must not overlap another area from the same layer.

Any area where features overlap is an error.

Show Errors



Must Not Have Gaps

Add Rule

Features of feature class: LC_Premade

Rule: Must Not Have Gaps

Feature class:

Rule Description

A void can not exist between areas in the same layer.

The boundary of any void that does exist is an error.

Show Errors



Must Be Covered By Feature Class Of

Features of feature class:
LC_Premade

Rule:
Must Be Covered By Feature Class Of

Feature class:
Boundary

Rule Description

The area features of one layer must cover the area features of another layer.

Any area where features in the first layer are not covered by features in the second layer is an error.

Show Error



Validating Topology

Table Of Contents

- Layers
 - Landcover_Topology
 - Area Errors
 - Line Errors
 - Point Errors
 - LC_Premade
 - Boundary

Create Features

- Boundary
- LC_Premade

Fixing Topology Errors



Error Inspector

Show: LC_Premade - Must Cover Each Other - Boundary 9 errors Search Now

Rule Type	Class 1	Class 2	Shape	Feature 1
Must Cover Each Other	LC_Premade	Boundary		
Must Cover Each Other	LC_Premade	Boundary		
Must Cover Each Other	LC_Premade	Boundary		
Must Cover Each Other	LC_Premade	Boundary		
Must Cover Each Other	LC_Premade	Boundary		
Must Cover Each Other	LC_Premade	Boundary		
Must Cover Each Other	LC_Premade	Boundary		
Must Cover Each Other	LC_Premade	Boundary		
Must Cover Each Other	LC_Premade	Boundary		
Must Cover Each Other	LC_Premade	Boundary		

- Zoom To
- Pan To
- Select Features
- Show Rule Description...
- Subtract
- Create Feature
- Mark Exception