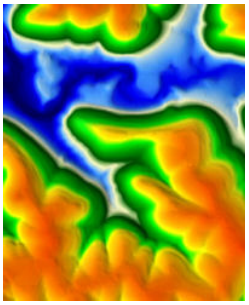
GIS and Mapping Procedures in fGIS

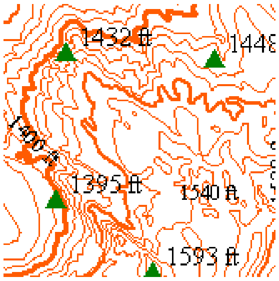


- Beginning a fGIS Project
- Adding Basemap Data
- Adding GPS Data
- Editing Layer Properties
- Checking Feature Attributes
- Adding Acres to Area Features
- Adding Acres Labels to Maps
- Creating Shapefiles and Digitizing
- Printing a Simple Map in TatukGIS Viewer
- Exporting Maps and Legends to MS Word

Coordinate Systems/Units

For GPS data to line up with basemap data in fGIS, you must export the GPS data out of SoloFieldCE in the same coordinate system and zone as the basemap. As mentioned in the Advanced GPS/GIS section, the BASEMAP is the starting point for determining which coordinate system and zone you should work in.

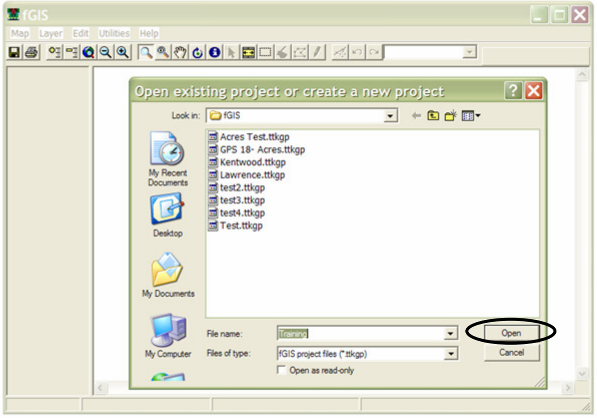
Fgis.lnk



After you have correctly exported your GPS data from SoloField CE, you are ready to open fGIS. Execute the fGIS program by double-clicking on the shortcut on your desktop.

Beginning a Project in fGIS

The following screens will appear. Either navigate to and select an existing project, or navigate to where you want to store and new project, name it, and click **Open**.



fGIS
Map
Layer
Edit
Utilities
Help
?
My Recent Documents
Desktop
My Documents
My Computer
Open
Cancel

Open existing project or create a new project

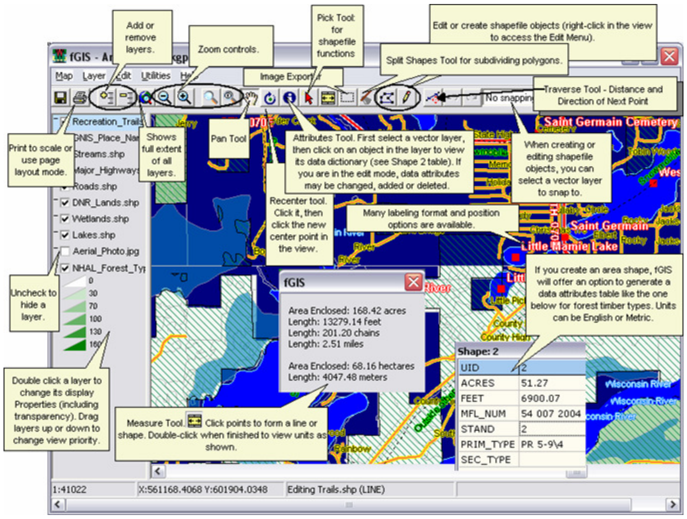
Look in: fGIS

Acres Test.ttkgp
GPS 18- Acres.ttkgp
Kentwood.ttkgp
Lawrence.ttkgp
test2.ttkgp
test3.ttkgp
test4.ttkgp
Test.ttkgp

File name: Training
Files of type: fGIS project files (*.ttkgp)
☐ Open as read-only

---

fGIS Toolbars



fGIS - Ar
kgp
Map
Layer
Edit
Utilities
He
No snappin
Recreation_Trails
GNIS_Place_Na
Streams.shp
Major_Highways
Roads.shp
☑ DNR_Lands.shp
☑ Wetlands.shp
☑ Lakes.shp
☐ Aerial_Photo.jpg
☑ NHAL_Forest_Typ
0
30
70
100
130
160
Saint Germain Cemetery
Saint Germain
Little Mamie Lake
Wisconsin River
River
County

Add or remove layers.

Zoom controls.

Pick Tool: for shapefile functions

Edit or create shapefile objects (right-click in the view to access the Edit Menu).

Split Shapes Tool for subdividing polygons.

Image Exporter

Traverse Tool - Distance and Direction of Next Point

Print to scale or use page layout mode.

Shows full extent of all layers.

Pan Tool

Attributes Tool. First select a vector layer, then click on an object in the layer to view its data dictionary (see Shape 2 table). If you are in the edit mode, data attributes may be changed, added or deleted.

When creating or editing shapefile objects, you can select a vector layer to snap to.

Recenter tool. Click it, then click the new center point in the view.

Many labeling format and position options are available.

Uncheck to hide a layer.

If you create an area shape, fGIS will offer an option to generate a data attributes table like the one below for forest timber types. Units can be English or Metric.

fGIS

Area Enclosed: 168.42 acres
Length: 13279.14 feet
Length: 201.20 chains
Length: 2.51 miles

Area Enclosed: 68.16 hectares
Length: 4047.48 meters

Shape: 2

UID	2
ACRES	51.27
FEET	6900.07
MFL_NUM	54 007 2004
STAND	2
PRIM_TYPE	PR 5-9\4
SEC_TYPE	

Double click a layer to change its display Properties (including transparency). Drag layers up or down to change view priority.

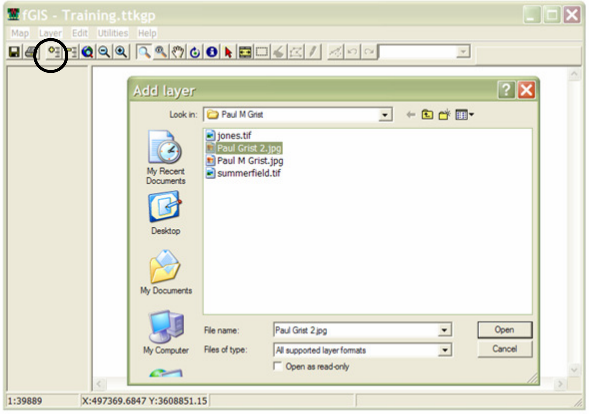
Measure Tool. Click points to form a line or shape. Double-click when finished to view units as shown.

1:41022 X:561168.4068 Y:601904.0348 Editing Trails.shp (LINE)

Adding Basemap Data

I like to add Basemap data to my project first. To do this, click the “**Add Layer” button**.

Next navigate to your basemap files and open the appropriate file or files. fGIS can utilize .sid files, geotiffs, geojpgs, or .ecw files (and more).


fGIS - Training.ttkgp
Map
Layer
Edit
Utilities
Help
Add layer
My Recent Documents
Desktop
My Documents
My Computer
Open
Cancel

Look in: Paul M Grist

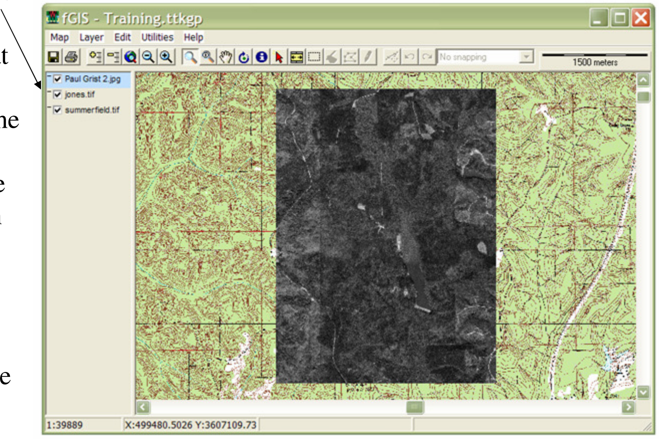
jones.tif
Paul Grist 2.jpg
Paul M Grist.jpg
summerfield.tif

File name: Paul Grist 2.jpg
Files of type: All supported layer formats
☐ Open as read-only

1:39889
X:497369.6847 Y:3608851.15

Adding Basemap Data

Multiple layers can be added. Make sure that the bottom layers are in the bottom of the legend and the top layer is on top. To move layers, simply left click on it and drag it to the appropriate location.

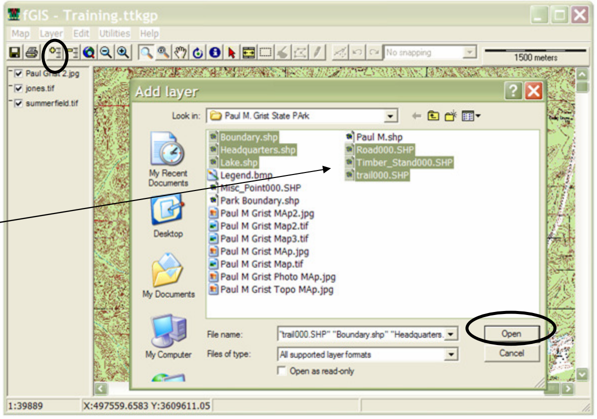

fGIS - Training.ttkgp
Map
Layer
Edit
Utilities
Help
No snapping
1500 meters

☑ Paul Grist 2.jpg
☑ jones.tif
☑ summerfield.tif

1:39889
X:499480.5026 Y:3607109.73

Adding GPS Data

Add GPS Data just like basemaps. Simply click the **Add Layer** button, navigate to wherever you stored your shapefiles from SoloField, click as many shapefiles as you want, and click **Open**.



Look in: Paul M. Grist State PArk

File name: "trail000.SHP" "Boundary.shp" "Headquarters.

Files of type: All supported layer formats

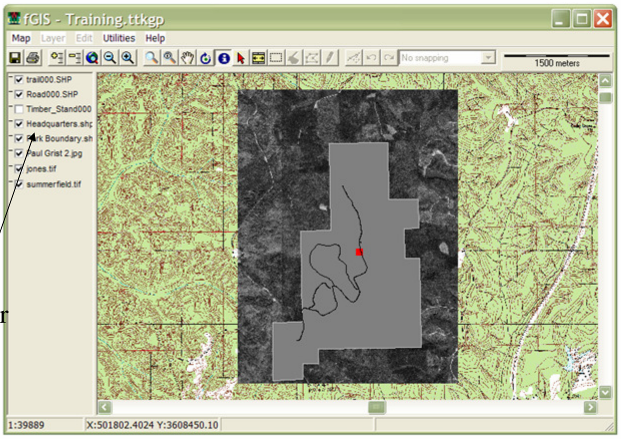
☐ Open as read-only

fGIS - Training.ttkgp
Map
Layer
Edit
Utilities
Help
No snapping
1500 meters
Paul Grist 2.jpg
jones.tif
summerfield.tif
Add layer
My Recent Documents
Desktop
My Documents
My Computer
Boundary.shp
Headquarters.shp
Lake.shp
Legend.bmp
Misc_Point000.SHP
Park Boundary.shp
Paul M Grist MAp2.jpg
Paul M Grist Map2.tif
Paul M Grist Map3.tif
Paul M Grist MAp.jpg
Paul M Grist Map.tif
Paul M Grist Photo MAp.jpg
Paul M Grist Topo MAp.jpg
Paul M.shp
Road000.SHP
Timber_Stand000.SHP
trail000.SHP
Open
Cancel
1:39889
X:497559.6583 Y:3609611.05

Arranging and Viewing Layers

As with the Basemap layers, you need to arrange the shapefile layers in the order that you want to see them bottom to top.

You can also turn certain layers on or off by checking or unchecking the box by the name.



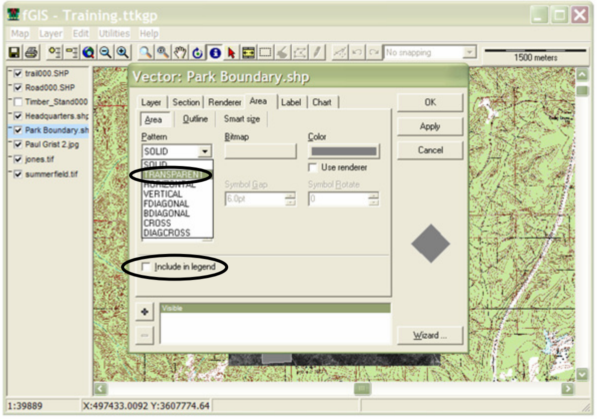
fGIS - Training.ttkgp
Map
Layer
Edit
Utilities
Help
No snapping
1500 meters
☑ trail000.SHP
☑ Road000.SHP
☐ Timber_Stand000
☑ Headquarters.shp
☑ Park Boundary.sh
☑ Paul Grist 2.jpg
☑ jones.tif
☑ summerfield.tif
1:39889
X:501802.4024 Y:3608450.10

Editing Layer Properties

Shapefile layers properties can be edited if you double left click the shapefile.

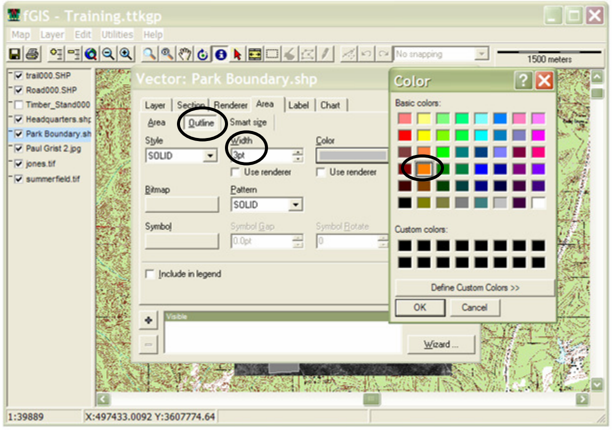
Here I will make the Property Boundary layer be **Transparent**.

Click the **Include in Legend Box** to make the colored line show up.

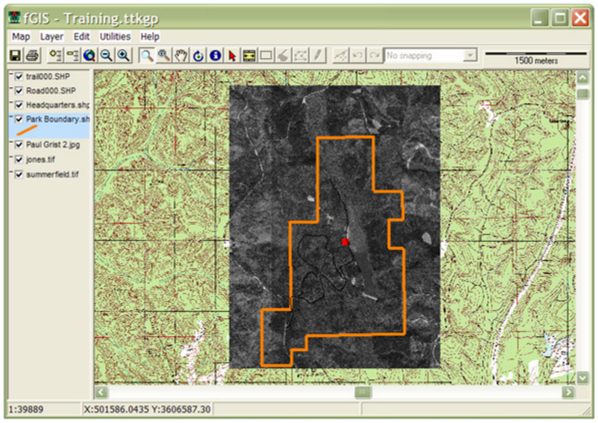

fGIS - Training.ttkgp
Map Layer Edit Utilities Help
No snapping
1500 meters
trail000.SHP
Road000.SHP
Timber_Stand000
Headquarters.shp
Park Boundary.sh
Paul Grist 2.jpg
jones.tif
summerfield.tif
Vector: Park Boundary.shp
Layer Section Renderer Area Label Chart
Area Outline Smart size
Pattern
Bitmap
Color
SOLID
SOLID
TRANSPARENT
HORIZONTAL
VERTICAL
FDIAGONAL
BDIAGONAL
CROSS
DIAGCROSS
Use renderer
Symbol Gap
6.0pt
Symbol Rotate
0
Include in legend
Visible
OK
Apply
Cancel
Wizard ...
1:39889
X:497433.0092 Y:3607774.64

Editing Layer Properties

Next I will select the **Outline** tab and make the Property Boundary layer be **3 points wide** and colored **Orange**.


fGIS - Training.ttkgp
Map Layer Edit Utilities Help
No snapping
1500 meters
trail000.SHP
Road000.SHP
Timber_Stand000
Headquarters.shp
Park Boundary.sh
Paul Grist 2.jpg
jones.tif
summerfield.tif
Vector: Park Boundary.shp
Layer Section Renderer Area Label Chart
Area Outline Smart size
Style
SOLID
Width
3pt
Color
Use renderer
Use renderer
Bitmap
Pattern
SOLID
Symbol
Symbol Gap
0.0pt
Symbol Rotate
0
Include in legend
Visible
Wizard ...
Color
Basic colors:
Custom colors:
Define Custom Colors >>
OK
Cancel
1:39889
X:497433.0092 Y:3607774.64

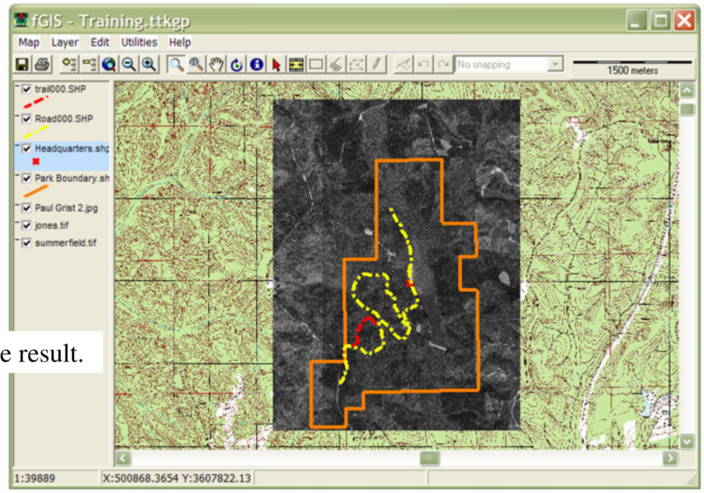
Editing Layer Properties


fGIS - Training.ttkgp
Map
Layer
Edit
Utilities
Help
No snapping
1500 meters
trail000.SHP
Road000.SHP
Headquarters.shp
Park Boundary.sh
Paul Grist 2.jpg
jones.tif
summerfield.tif
1:39889
X:501586.0435 Y:3606587.30

The resulting view looks like this.

Next I will change the other shapefile layers so that they will stand out on the photo.

Editing Layer Properties

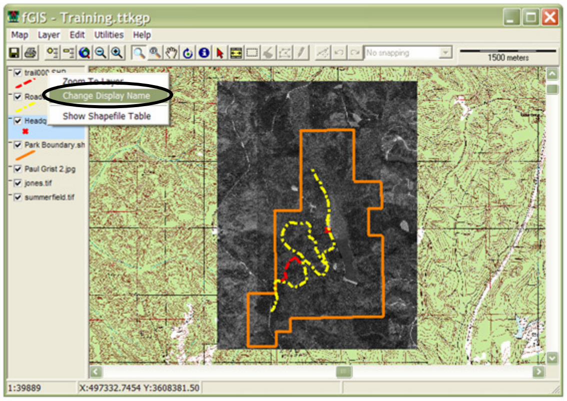

fGIS - Training.ttkgp
Map
Layer
Edit
Utilities
Help
No snapping
1500 meters
trail000.SHP
Road000.SHP
Headquarters.shp
Park Boundary.sh
Paul Grist 2.jpg
jones.tif
summerfield.tif
1:39889
X:500868.3654 Y:3607822.13

Here is the result.

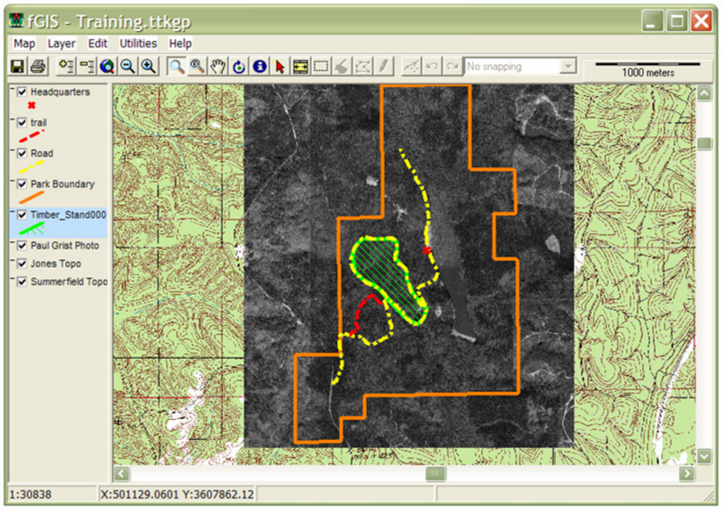
Layer Options

You can change the name of the displayed layer if you right click on the layer and select **Change Display Name**.

Change all names that you want.


fGIS - Training.ttkgp
Map Layer Edit Utilities Help
No snapping
1500 meters
trail000.SHP
Road
Headq
Zoom To Layer
Change Display Name
Show Shapefile Table
Park Boundary.sh
Paul Grist 2.jpg
jones.tif
summerfield.tif
1:39889
X:497332.7454 Y:3608381.50

Modified Map

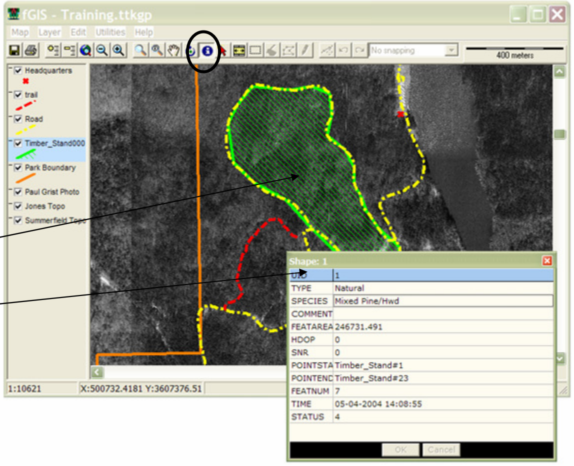

fGIS - Training.ttkgp
Map Layer Edit Utilities Help
No snapping
1000 meters
Headquarters
trail
Road
Park Boundary
Timber_Stand000
Paul Grist Photo
Jones Topo
Summerfield Topo
1:30838
X:501129.0601 Y:3607862.12

Checking Feature Attributes

The Attributes of a Feature that were entered in SoloField can be viewed if you select the **Info** Button and then click on the feature in question.

The Attributes are then displayed.

Notice that Acres is not displayed.


fGIS - Training.ttkgp
Map
Layer
Edit
Utilities
Help
No snapping
400 meters
Headquarters
trail
Road
Timber_Stand000
Park Boundary
Paul Grist Photo
Jones Topo
Summerfield Topo
1:10621
X:500732.4181 Y:3607376.51
Shape: 1
OK
Cancel

UID	1
TYPE	Natural
SPECIES	Mixed Pine/Hwd
COMMENT	
FEATAREA	246731.491
HDOP	0
SNR	0
POINTSTA	Timber_Stand#1
POINTENC	Timber_Stand#23
FEATNUM	7
TIME	05-04-2004 14:08:55
STATUS	4

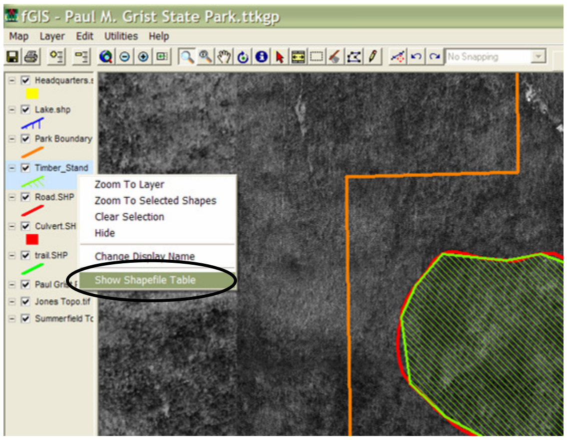
Adding Acres to Area Features

To get acres to show up in the Attribute Info screen we need to add an attribute field to the Timber Stand shapefile.

Do the following:

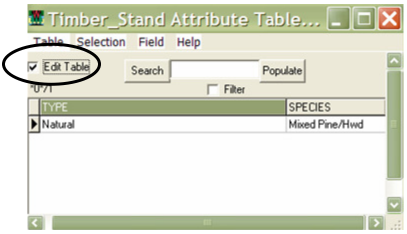
1. Right click on the Timber Stand Layer

2. Select **Show Shapefile Table**

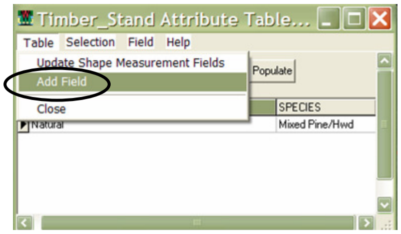

fGIS - Paul M. Grist State Park.ttkgp
Map
Layer
Edit
Utilities
Help
No Snapping
Headquarters.s
Lake.shp
Park Boundary
Timber_Stand
Road.SHP
Culvert.SH
trail.SHP
Paul Gri
Jones Topo.tif
Summerfield Tc
Zoom To Layer
Zoom To Selected Shapes
Clear Selection
Hide
Change Display Name
Show Shapefile Table

Adding Acres to Area Features

3. Click on the **Edit Table Box**

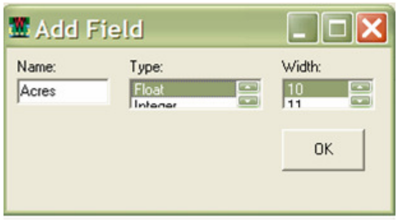

Timber_Stand Attribute Table...
Table
Selection
Field
Help
Edit Table
Search
Populate
Filter
"0"/1
TYPE
SPECIES
Natural
Mixed Pine/Hwd

4. Select Table > **Add Field**


Timber_Stand Attribute Table...
Table
Selection
Field
Help
Update Shape Measurement Fields
Add Field
Close
Populate
SPECIES
Natural
Mixed Pine/Hwd

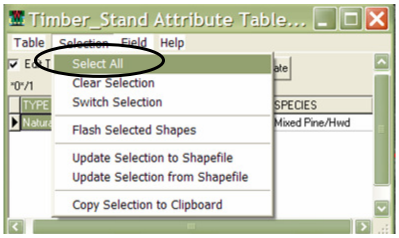
Adding Acres to Area Features

5. In the Add Field Box, Type **Acres** for the Name, Select **Float** as the Type, and leave the Width at 10.

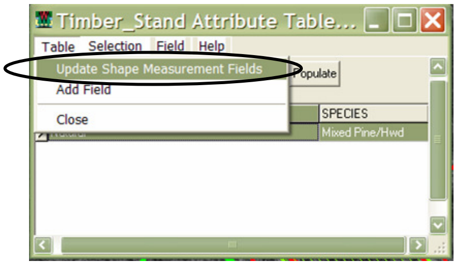

Add Field
Name:
Acres
Type:
Float
Integer
Width:
10
11
OK

6. Click **OK**.

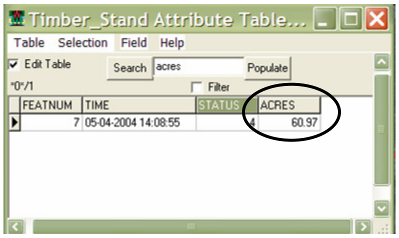
7. Select Selection > **Select All** to select all of the fields in the Timber Stand Shapefile.


Timber_Stand Attribute Table...
Table
Selection
Field
Help
Select All
Clear Selection
Switch Selection
Flash Selected Shapes
Update Selection to Shapefile
Update Selection from Shapefile
Copy Selection to Clipboard
"0"/1
TYPE
Natural
SPECIES
Mixed Pine/Hwd

Adding Acres to Area Features


Timber_Stand Attribute Table...
Table
Selection
Field
Help
Update Shape Measurement Fields
Add Field
Close
Populate
SPECIES
Mixed Pine/Hwd

8. Lastly, Select Table > **Update Shape Measurement Fields**


Timber_Stand Attribute Table...
Table
Selection
Field
Help
☑ Edit Table
Search
Populate
☐ Filter

Search: acres

FEATNUM	TIME	STATUS	ACRES
7	05-04-2004 14:08:55	4	60.97

The **Acres column** now has the correct acres for that Shapefile Area and can be checked in the Attribute Table or with the Attribute Info button on the map.

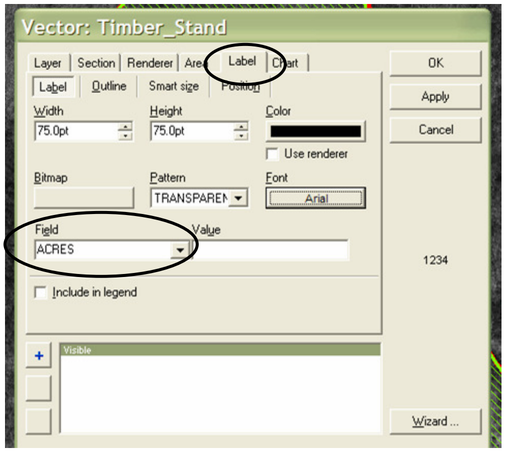
Adding an Acres Label to the Map

To add an Acres label to the map,

1. Double click the Timber Stand Layer

2. Select the **Label** Tab

3. Make the **Field = Acres**


Vector: Timber_Stand
Layer
Section
Renderer
Area
Label
Chart
Label
Outline
Smart size
Position
OK
Apply
Cancel
Bitmap
Include in legend
Visible
+
1234
Wizard ...

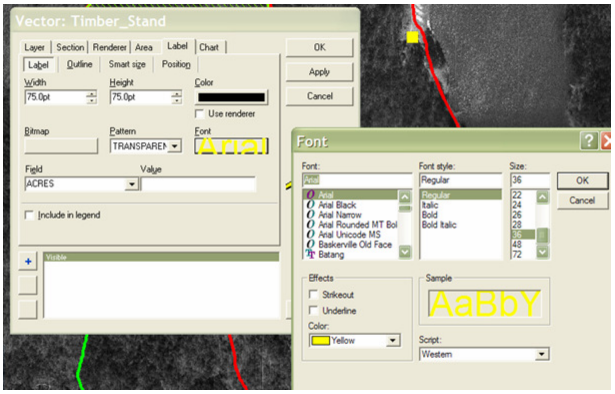
Width: 75.0pt
Height: 75.0pt
Color
☐ Use renderer
Pattern: TRANSPARENT
Font: Arial
Field: ACRES
Value

Adding an Acres Label to the Map

4. Make the Color = Black

5. Select the Font Box and then select an appropriate Color and Size (i.e. Yellow and 36)

6. Select OK 2X


Vector: Timber_Stand
Layer
Section
Renderer
Area
Label
Chart
Label
Outline
Smart size
Position
OK
Apply
Cancel
Use renderer
Bitmap
Include in legend
Visible
Font
Effects
Strikeout
Underline
Sample
AaBbY
OK
Cancel
Arial
Arial Black
Arial Narrow
Arial Rounded MT Bol
Arial Unicode MS
Baskerville Old Face
Batang
Regular
Italic
Bold
Bold Italic
22
24
26
28
36
48
72

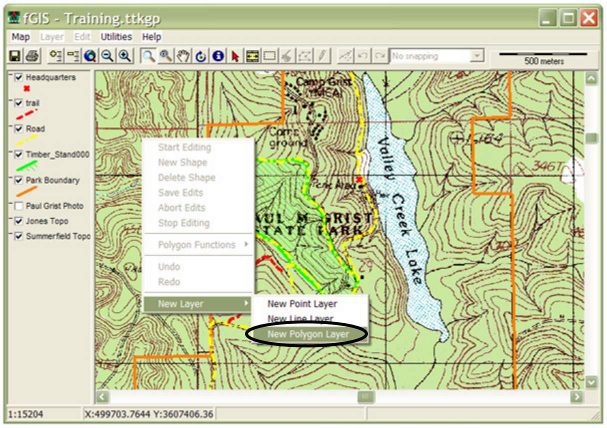
Width: 75.0pt
Height: 75.0pt
Pattern: TRANSPARENT
Font: Arial
Field: ACRES
Font style: Regular
Size: 36
Color: Yellow
Script: Western

Creating Shapefiles by Digitizing

Sometimes it is useful to create shapefiles in a GIS program by heads-up-digitizing.

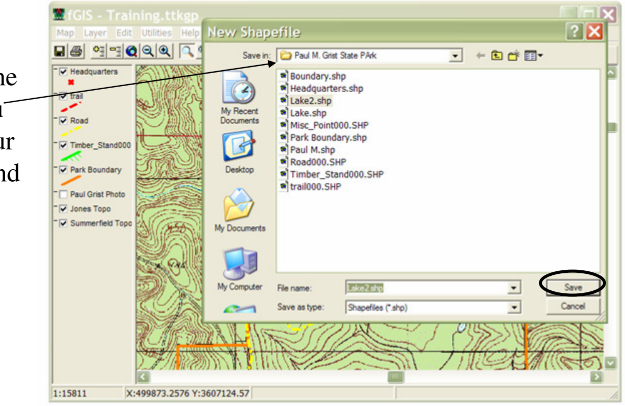
Do the following to create a "Lake" shapefile:

1. Right click on the basemap layer and select New Layer then **New Polygon Layer.**


fGIS - Training.ttkgp
Map
Layer
Edit
Utilities
Help
No snapping
500 meters
Headquarters
trail
Road
Timber_Stand000
Park Boundary
Paul Grist Photo
Jones Topo
Summerfield Topo
Start Editing
New Shape
Delete Shape
Save Edits
Abort Edits
Stop Editing
Polygon Functions
Undo
Redo
New Layer
New Point Layer
New Line Layer
New Polygon Layer
Valley Creek Lake
1:15204
X:499703.7644 Y:3607406.36

Creating Shapefiles by Digitizing

2. Navigate to the folder where you want to store your new shapefile, and then name and **Save** it.


fGIS - Training.ttkgp
Map
Layer
Edit
Utilities
Help
Headquarters
trail
Road
Timber_Stand000
Park Boundary
Paul Grist Photo
Jones Topo
Summerfield Topo
New Shapefile
My Recent Documents
Desktop
My Documents
My Computer
Save
Cancel

Save in: Paul M. Grist State PArk

Boundary.shp
Headquarters.shp
Lake2.shp
Lake.shp
Misc_Point000.SHP
Park Boundary.shp
Paul M.shp
Road000.SHP
Timber_Stand000.SHP
trail000.SHP

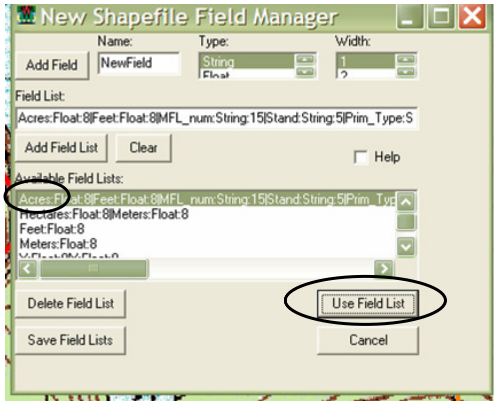
File name: Lake2.shp
Save as type: Shapefiles (*.shp)

1:15811
X:499873.2576 Y:3607124.57

Creating Shapefiles by Digitizing

3. Select **Acres** from the Available Field List and select Use Field List.

If you want to add some more attribute fields for this shape, you can select them from the Available Field List or create them with the Add Field dialogue.


New Shapefile Field Manager
Add Field
Add Field List
Clear
☐ Help
Delete Field List
Use Field List
Save Field Lists
Cancel

Name: NewField
Type: String
Width: 1

Field List:
Acres:Float:8|Feet:Float:8|MFL_num:String:15|Stand:String:5|Prim_Type:S

Available Field Lists:
Acres:Float:8|Feet:Float:8|MFL_num:String:15|Stand:String:5|Prim_Typ
Hectares:Float:8|Meters:Float:8
Feet:Float:8
Meters:Float:8

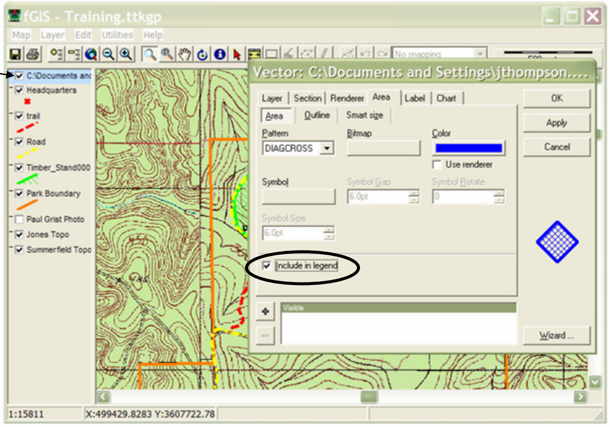
LANDMARK
SPATIAL SOLUTIONS, LLC

Technical Support: (866) 395-5440

Creating Shapefiles by Digitizing

4. Rename the new shapefile by right clicking and select **Change Display Name**.

5. Change the layer properties by double clicking on the layer. Be sure and check the **Include in Legend box**.


fGIS - Training.ttkgp
Map
Layer
Edit
Utilities
Help
No snapping
C:\Documents and
Headquarters
trail
Road
Timber_Stand000
Park Boundary
Paul Grist Photo
Jones Topo
Summerfield Topo
Vector: C:\Documents and Settings\jthompson....
Layer
Section
Renderer
Area
Label
Chart
Area
Outline
Smart size
Pattern
DIAGCROSS
Bitmap
Color
Use renderer
Symbol
Symbol Gap
6.0pt
Symbol Rotate
0
Symbol Size
6.0pt
Include in legend
Visible
OK
Apply
Cancel
Wizard ...
1:15811
X:499429.8283 Y:3607722.78

LANDMARK
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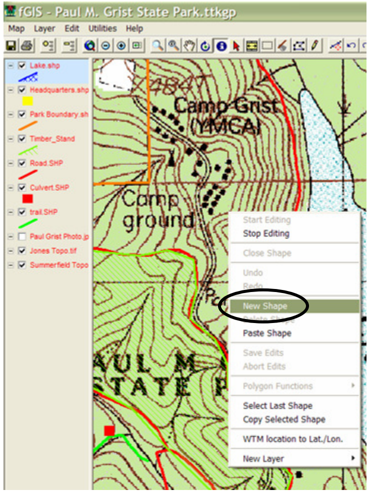
Creating Shapefiles by Digitizing


fGIS - Paul M. Grist State Park.ttkgp
Map
Layer
Edit
Utilities
Help
Lake.shp
Headquarters.shp
Park Boundary.sh
Timber_Stand
Road.SHP
Culvert.SHP
trail.SHP
Paul Grist Photo.jp
Jones Topo.tif
Summerfield Topo
4847
Camp Grist (YMCA)
Camp ground
AUL M
STATE P
Start Editing
Stop Editing
Close Shape
Undo
Redo
New Shape
Paste Shape
Save Edits
Abort Edits
Polygon Functions
Select Last Shape
Copy Selected Shape
WTM location to Lat./Lon.
New Layer

7. With the Lake Layer highlighted, right click on the basemap and select **New Shape.**

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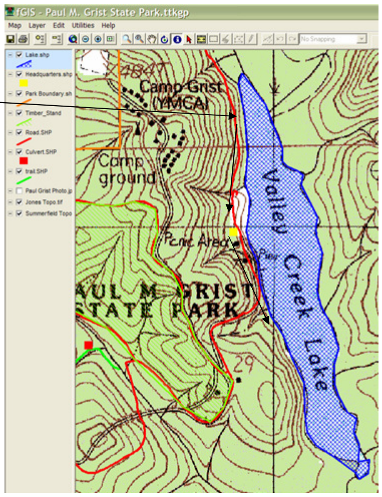
Creating Shapefiles by Digitizing


fGIS - Paul M. Grist State Park.ttkgp
Map Layer Edit Utilities Help
No Snapping
Lake.shp
Headquarters.shp
Park Boundary.sh
Timber_Stand
Road.SHP
Culvert.SHP
trail.SHP
Paul Grist Photo.jp
Jones Topo.tif
Summerfield Topo
4847
Camp Grist (YMCA)
Camp ground
Picnic Area
PAUL M. GRIST STATE PARK
29
Valley Creek Lake

8. Begin digitizing by left clicking on the edge of the new polygon you wish to map and then travel around the shape in a counter clockwise manner clicking everywhere you want to "drop" a node.

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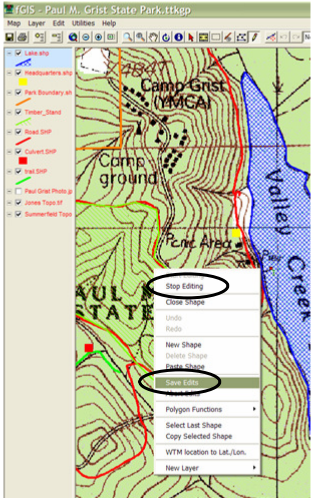
Creating Shapefiles by Digitizing


fGIS - Paul M. Grist State Park.ttkgp
Map Layer Edit Utilities Help
Lake.shp
Headquarters.shp
Park Boundary.sh
Timber_Stand
Road.SHP
Culvert.SHP
trail.SHP
Paul Grist Photo.jp
Jones Topo.tif
Summerfield Topo
4847
Camp Grist (YMCA)
Camp ground
Picnic Area
Valley Creek
Stop Editing
Close Shape
Undo
Redo
New Shape
Delete Shape
Paste Shape
Save Edits
Polygon Functions
Select Last Shape
Copy Selected Shape
UTM location to Lat./Lon.
New Layer

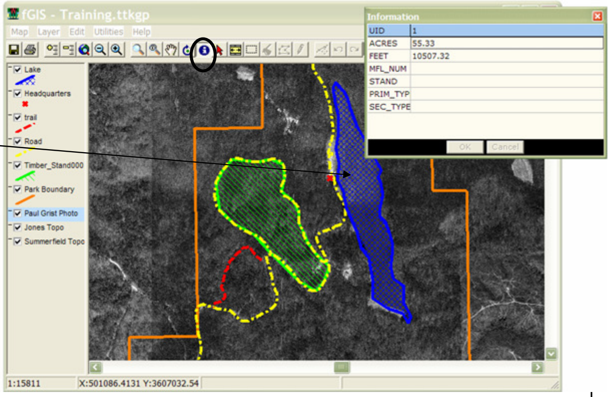
9. When you finish going around the area you are mapping, right click on the basemap and select "**Save Edits**".

11. If you are finished editing, right click again and select "**Stop Editing**".

Creating Shapefiles by Digitizing

If you select the **Attribute Info** button and click on the Lake, you can see the Attribute info.

The new shapefile can be exported to your handheld and used in SoloField CE as a basemap. Be sure and copy all 3 files (.shp, .shx, and .dbf).


fGIS - Training.ttkgp
Map
Layer
Edit
Utilities
Help
Lake
Headquarters
trail
Road
Timber_Stand000
Park Boundary
Paul Grist Photo
Jones Topo
Summerfield Topo
1:15811
X:501086.4131 Y:3607032.54
Information
OK
Cancel

UID	1
ACRES	55.33
FEET	10507.32
MFL_NUM	
STAND	
PRIM_TYP	
SEC_TYPE	

Printing a Simple Map in TatukGIS Viewer

You can print a simple map in fGIS by selecting the Printer icon or Map > Print > Print Map.

You can get a better map easier by saving your fGIS project and then printing it in TatukGIS Viewer. This program is on your customer CD or you can download and install the Free Viewer from https://shop.tatukgis.com/downloads/DownloadList.aspx. You will have to register with Tatuk before you download.

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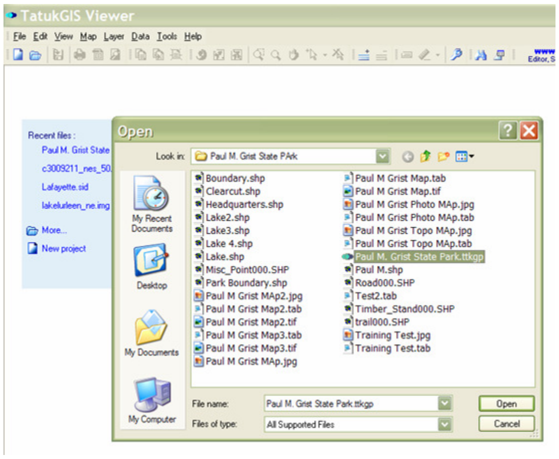
Printing a Simple Map in TatukGIS Viewer

Once you load the program, open it and select File > Open Project and then navigate to the correct folder and select the fGIS project (NOTE – this will be a .ttkgp file).


TatukGIS Viewer
File Edit View Map Layer Data Tools Help
Recent files :
Paul M. Grist State
c3009211_nes_50
Lafayette.sid
lakeluleen_ne.img
More...
New project
Open
Look in: Paul M. Grist State PArk
My Recent Documents
Desktop
My Documents
My Computer
Boundary.shp
Clearcut.shp
Headquarters.shp
Lake2.shp
Lake3.shp
Lake 4.shp
Lake.shp
Misc_Point000.SHP
Park Boundary.shp
Paul M Grist MAp2.jpg
Paul M Grist Map2.tab
Paul M Grist Map2.tif
Paul M Grist Map3.tab
Paul M Grist Map3.tif
Paul M Grist MAp.jpg
Paul M Grist Map.tab
Paul M Grist Map.tif
Paul M Grist Photo MAp.jpg
Paul M Grist Photo MAp.tab
Paul M Grist Topo MAp.jpg
Paul M Grist Topo MAp.tab
Paul M. Grist State Park.ttkgp
Paul M.shp
Road000.SHP
Test2.tab
Timber_Stand000.SHP
trail000.SHP
Training Test.jpg
Training Test.tab
Open
Cancel

File name: Paul M. Grist State Park.ttkgp

Files of type: All Supported Files

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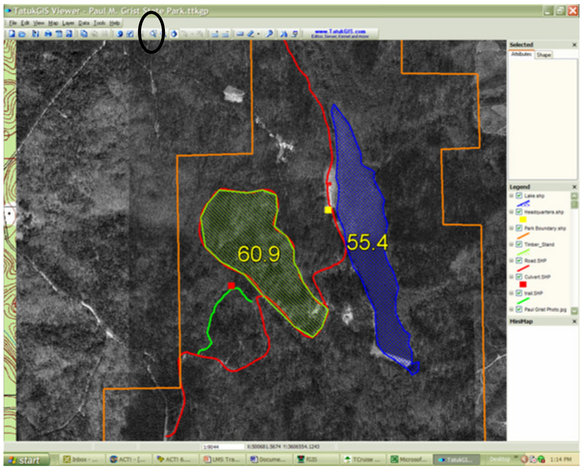
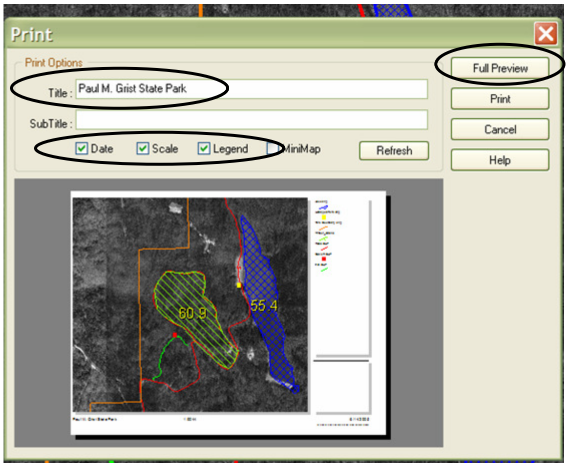
Printing a Simple Map in TatukGIS Viewer

Use the **Zoom Mode button** to Zoom into the view that you want to display on your map.


TatukGIS Viewer - Paul M. Grist State Park.ttkgp
60.9
55.4
Selected
Legend
Lake.shp
Headquarters.shp
Park Boundary.shp
Timber_Stand
Road.SHP
Culvert.SHP
trail.SHP
Paul Grist Photo.jpg
MiniMap
start

Printing a Simple Map in TatukGIS Viewer

Lastly, select File > Print Preview and enter a map Title and Subtitle and select if you want the **Date, Scale, and Legend**. You can see a full screen preview as well. Then Print.



Title : Paul M. Grist State Park
SubTitle :
☑ Date ☑ Scale ☑ Legend ☐ MiniMap

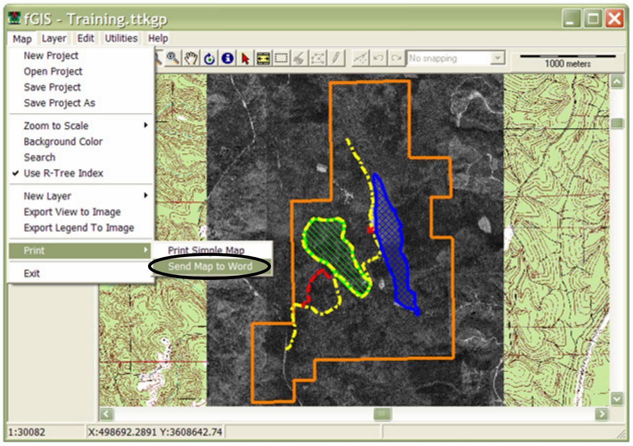
Print
Print Options
Refresh
Full Preview
Print
Cancel
Help
60.9
55.4

Exporting Maps and Legends to MS Word

Once you finish editing your map and legend, zoom in or out to show the map you want to create.

To print your map, it is best to send it to MS Word, where you can use the Draw Tools to add text and/or arrows, etc.

1. Click Map > Print > **Send Map to Word**. Then select the resolution (1-2 is OK), the correct folder and file type (I like .jpg), name it, and save it.



fGIS - Training.ttkgp
Map
Layer
Edit
Utilities
Help
New Project
Open Project
Save Project
Save Project As
Zoom to Scale
Background Color
Search
✓ Use R-Tree Index
New Layer
Export View to Image
Export Legend To Image
Print
Exit
Print Simple Map
Send Map to Word
No snapping
1000 meters
1:30082
X:498692.2891 Y:3608642.74

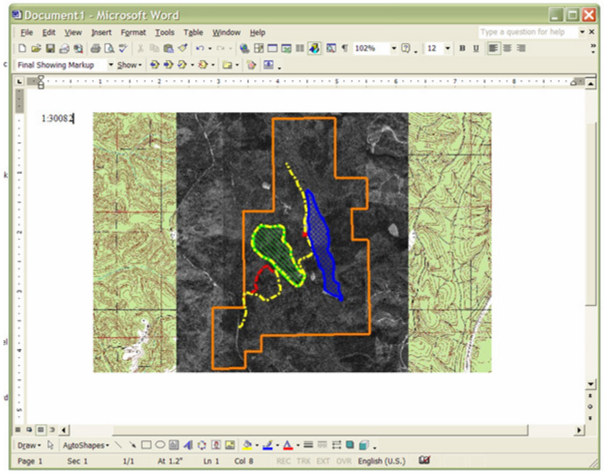
Technical Support: (866) 395-5440

Exporting Maps and Legends to MS Word

You exported view should appear in MS Word with the actual scale.

2. Turn on the Drawing Toolbar by going to View > Toolbars and select Drawing.

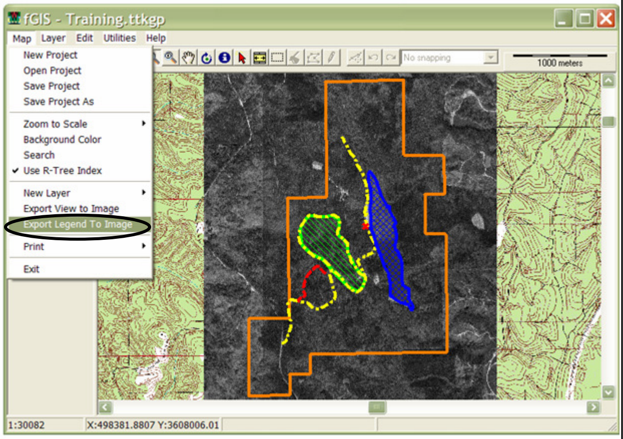
Now you can crop your map.


Document1 - Microsoft Word
File Edit View Insert Format Tools Table Window Help
1:30082
Draw AutoShapes
Page 1 Sec 1 1/1 At 1.2" Ln 1 Col 8 English (U.S.)

Technical Support: (866) 395-5440

Exporting Maps and Legends to MS Word

3. You can Export the Legend out of fGIS as well by clicking Map, **Export Legend to Image** and then selecting the folder, naming your Image, and Saving it.


fGIS - Training.ttkgp
Map Layer Edit Utilities Help
New Project
Open Project
Save Project
Save Project As
Zoom to Scale
Background Color
Search
✓ Use R-Tree Index
New Layer
Export View to Image
Export Legend To Image
Print
Exit
No snapping
1000 meters
1:30082
X:498381.8807 Y:3608006.01

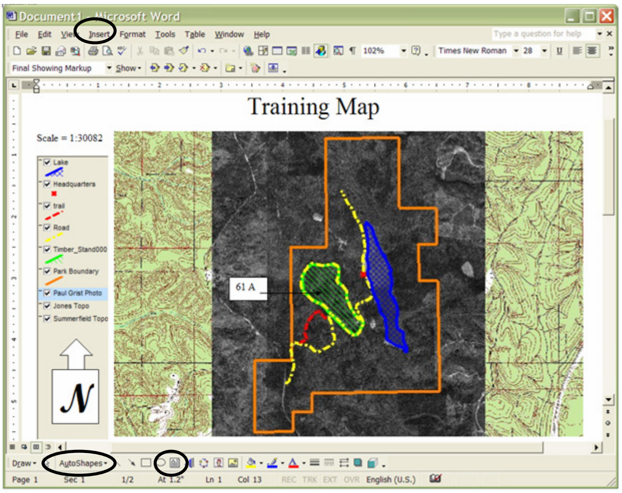
Exporting Maps and Legends to MS Word

3. Next import the legend by selecting **Insert** > Picture > From File, and then navigate to the correct directory and Insert.

4. Use an **AutoShape** and a **Textbox** to create a N arrow.

5. Use a Textbox to add any labels.

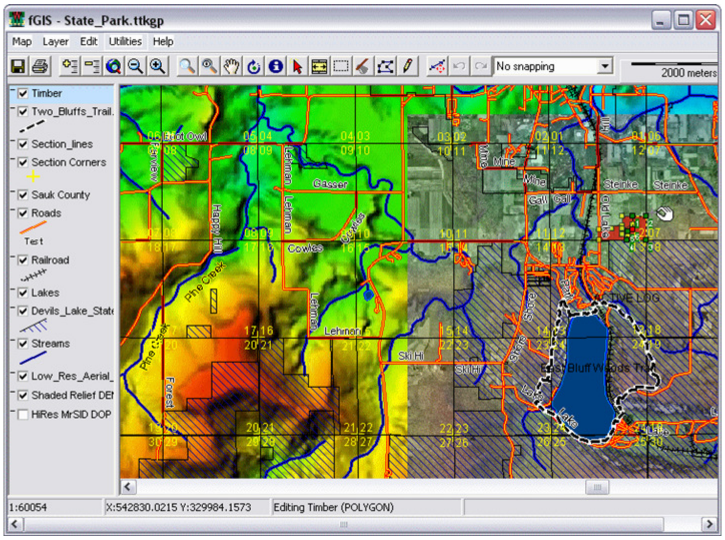
6. Save the map and print it.


Document1 - Microsoft Word
File
Edit
View
Insert
Format
Tools
Table
Window
Help
Type a question for help
102%
Times New Roman
28
Final Showing Markup
Show
Training Map
Scale = 1:30082
Lake
Headquarters
trail
Road
Timber_Stand000
Park Boundary
Paul Grist Photo
Jones Topo
Summerfield Topo
N
61 A
Draw
AutoShapes
Page 1
Sec 1
1/2
At 1.2"
Ln 1
Col 13
REC
TRK
EXT
OVR
English (U.S.)

Other fGIS Functions

- The fGIS Help menu is excellent and even includes several tutorials. I strongly encourage spending some time here.
- Other Functions include:
  - Reprojecting shapefiles
  - Joining dBase tables to shapefiles
  - Exporting geotiffs and geojpgs
  - Creating islands and Splitting shapes
  - Sending maps to a custom Diagram Designer
  - Using custom symbols, labels, classification, and DEMs
  - Much more

Sample Map


fGIS - State_Park.ttkgp
Map
Layer
Edit
Utilities
Help
No snapping
2000 meters
☑ Timber
☑ Two_Bluffs_Trail
☑ Section_lines
☑ Section Corners
☑ Sauk County
☑ Roads
Test
☑ Railroad
☑ Lakes
☑ Devils_Lake_State
☑ Streams
☑ Low_Res_Aerial_
☑ Shaded Relief DEM
☐ HiRes MrSID DOP
Gasser
Cowles
Lehman
Happy Hill
Pine Creek
Forest
Ski Hi
Mine
Steinke
Lake

1:60054
X:542830.0215 Y:329984.1573
Editing Timber (POLYGON)