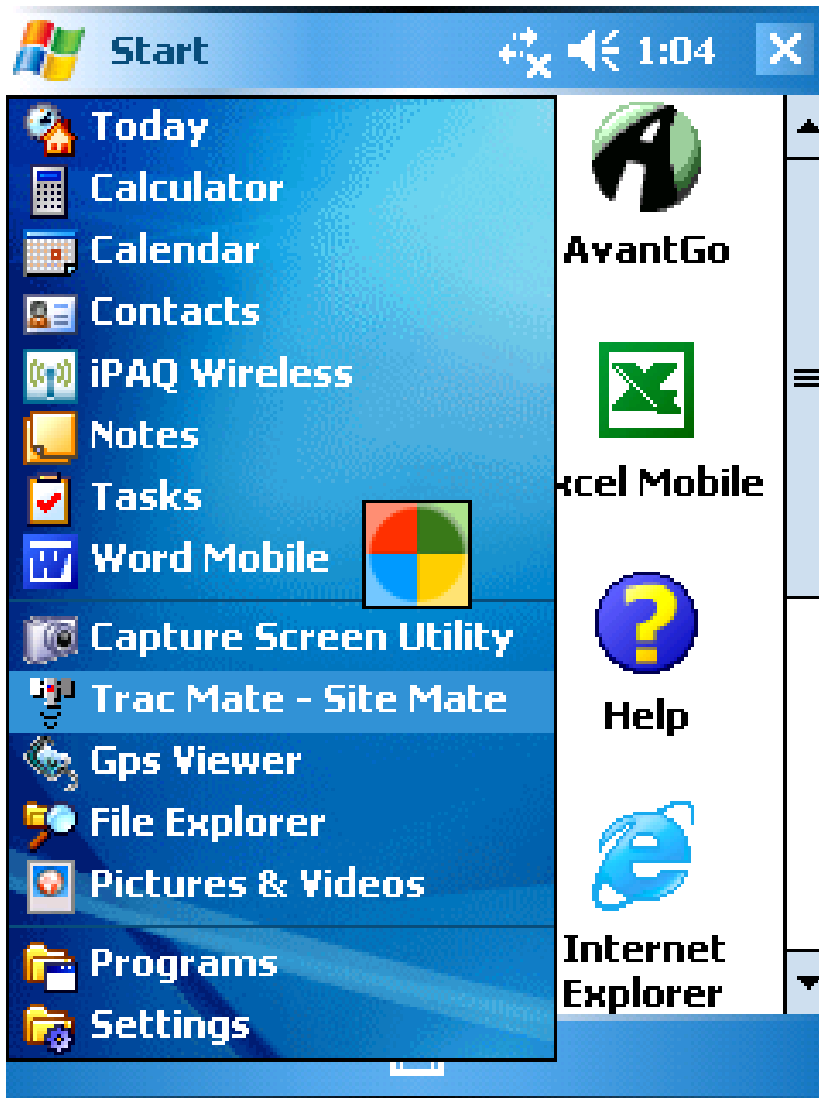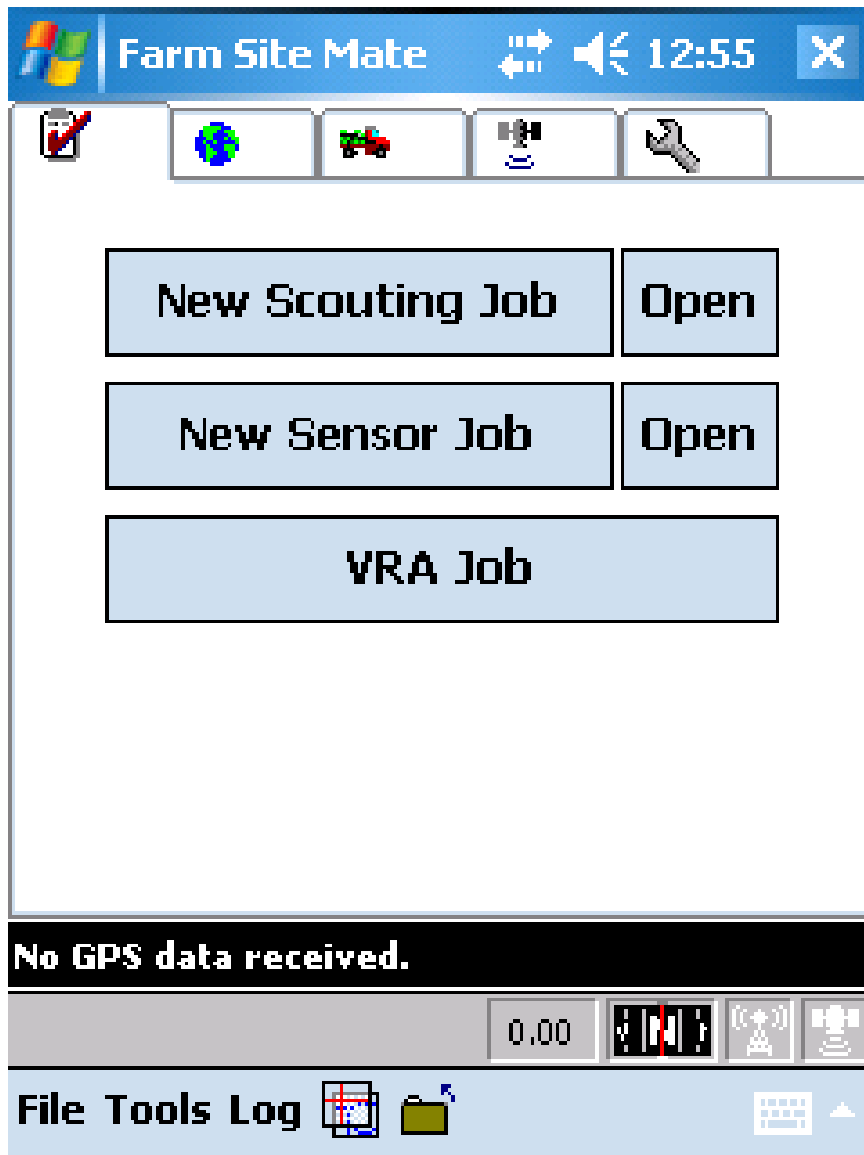# Zone Sampling Exercise Using Site Mate

Precision Cotton Workshop
November 13, 2008

Amy Thompson Winstead
Regional Extension Agent, Precision Agriculture
Alabama Cooperative Extension System

ALABAMA COOPERATIVE
Extension
SYSTEM
*Alabama A&M and
Auburn Universities*

AUBURN
UNIVERSITY

Today
Calculator
Calendar
Contacts
iPAQ Wireless
Notes
Tasks
Word Mobile

Capture Screen Utility
Trac Mate - Site Mate
Gps Viewer
File Explorer
Pictures & Videos

Programs
Settings

AvantGo
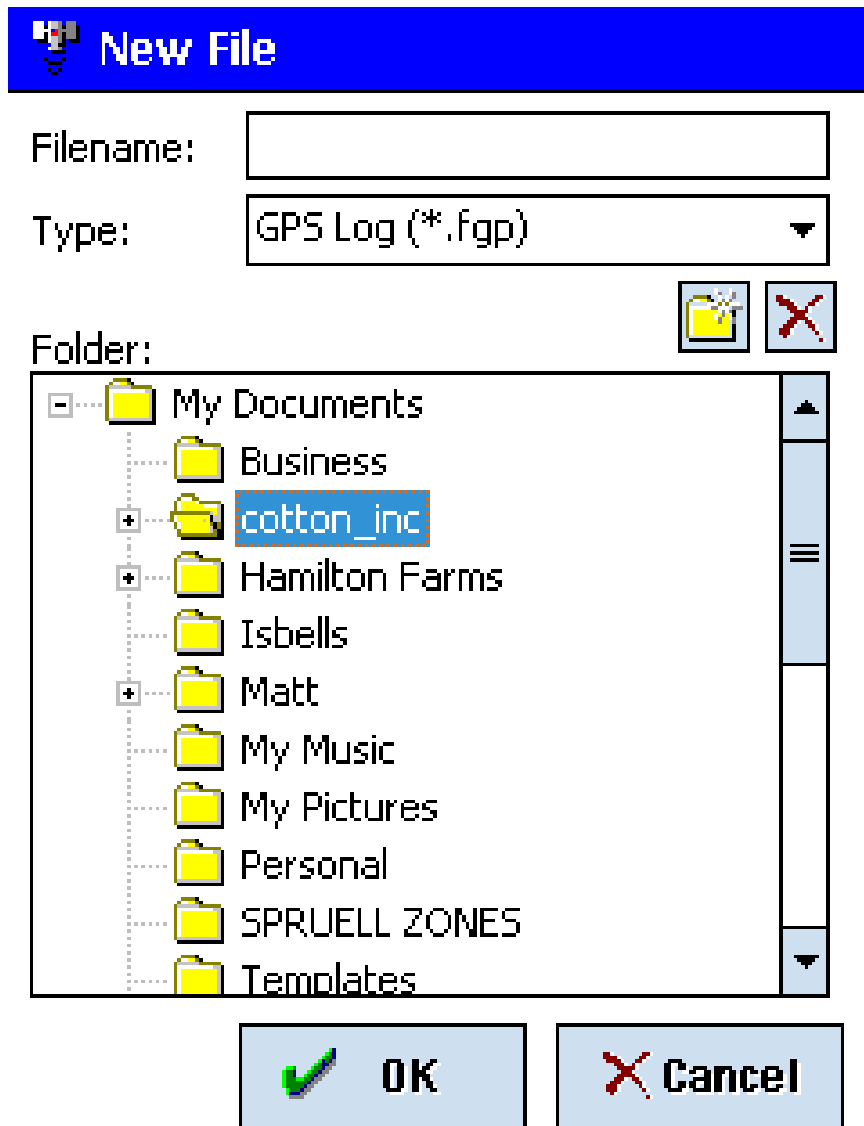
xcel Mobile

Help

Internet Explorer

1. Open Site Mate by clicking on the iPAQ's Start button and selecting Trac Mate - Site Mate from the drop down menu. (You can also select 'Programs' from the Start Menu and then select Trac Mate - Site Mate).

New Scouting Job | Open

New Sensor Job | Open

VRA Job

No GPS data received.

0.00

File Tools Log

2. From the main page, select New Scouting Job

New File

Filename:

Type: GPS Log (*.fgp)

Folder:

- My Documents
  - Business
  - **cotton_inc**
  - Hamilton Farms
  - Isbells
  - Matt
  - My Music
  - My Pictures
  - Personal
  - SPRUELL ZONES
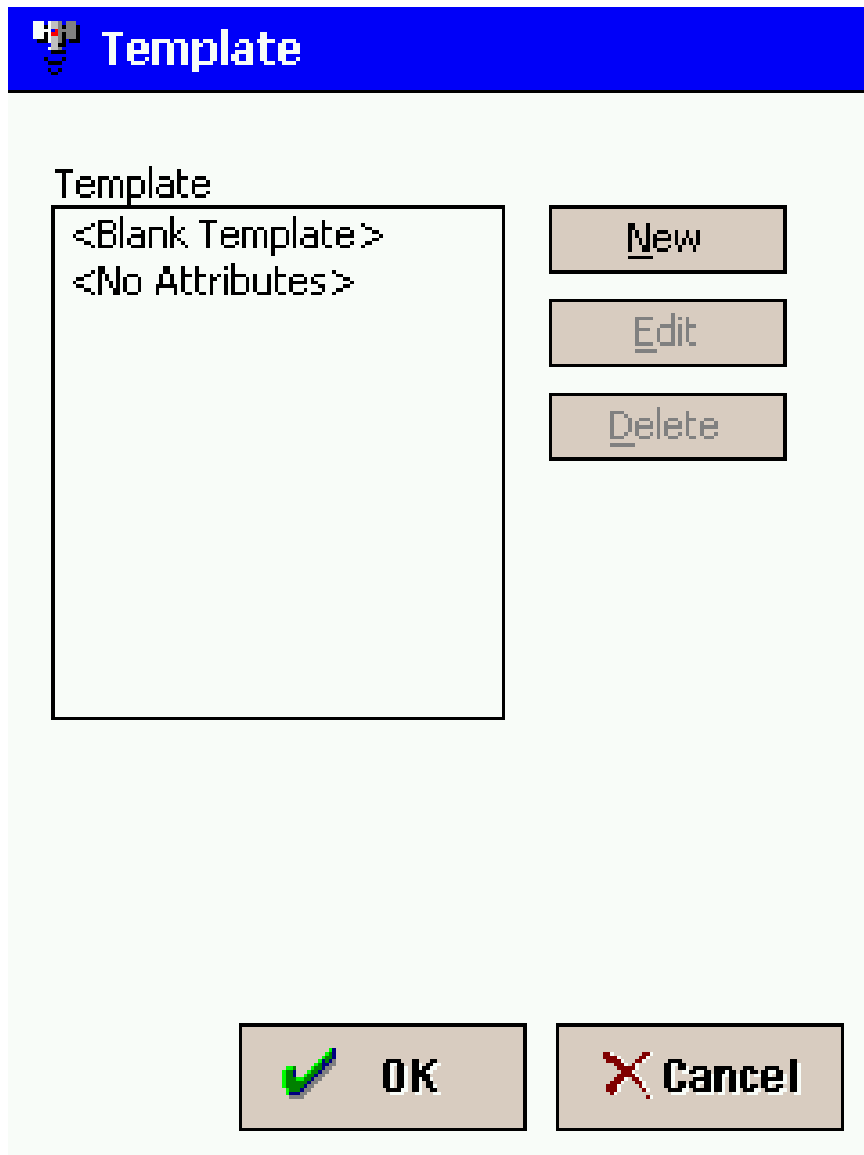 - Templates

[✔ OK] [✗ Cancel]

3. Under Folder open 'My Documents' by selecting the '+' sign on the left hand side. Select the folder labeled Cotton_inc.

Filename:

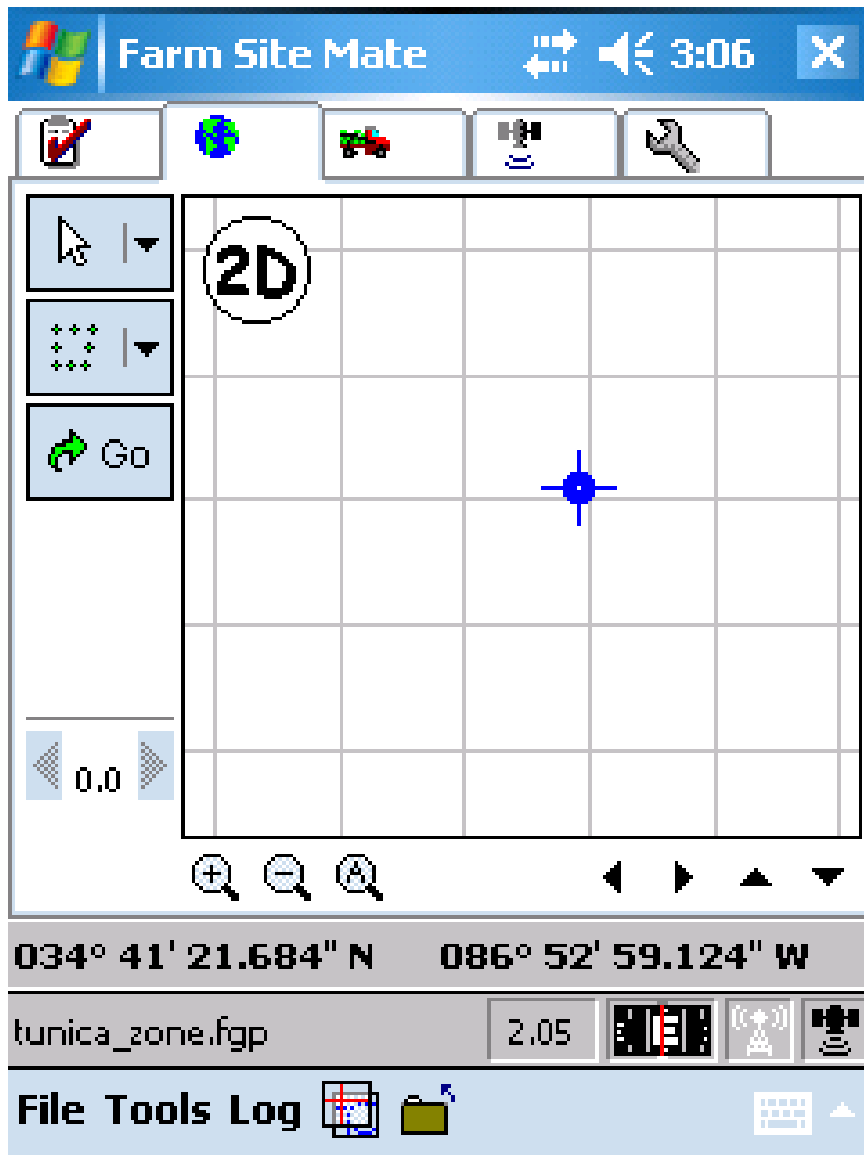| tunica_zone	OK	✗

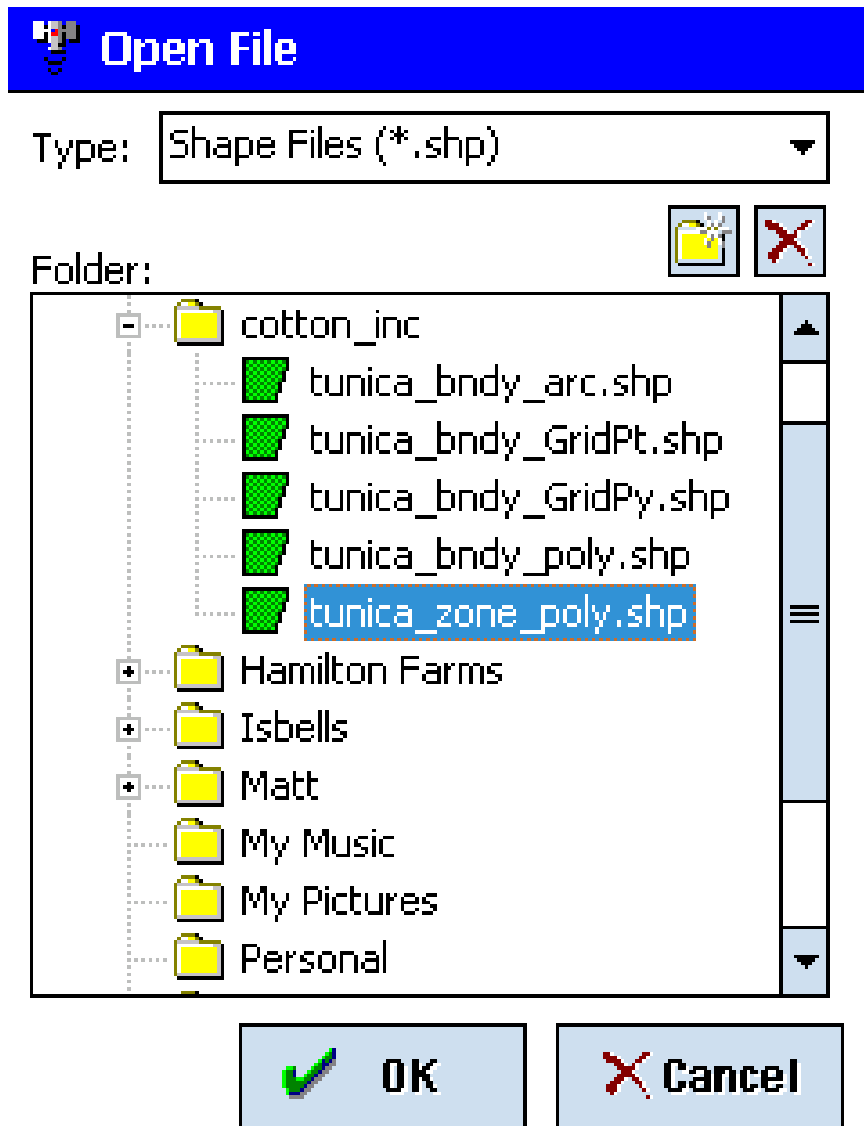| a	b	c	d	e	f
g	h	i	j	k	l
m	n	o	p	q	r
s	t	u	v	w	x
y	z	1	2	3	4
5	6	7	8	9	0
áü	!@#	123	⇧ Shift	Spc	⇦ Bksp

4. Once the cotton_inc folder is highlighted, select the box next to Filename and using the pop-up alphabet name your file 'tunica_zone' (the underscore is found by selecting the symbols icon at the bottom of the alphabet page). Click **OK** when finished.

Template

Template
```
<Blank Template>
<No Attributes>
```

New

Edit

Delete

✔ OK   ✗ Cancel

5. Click **OK** on the Template page

6. You are now on the scouting job page. Click on the File tab at the bottom of the page and select Layers

Open File

Type: Shape Files (*.shp) ▼

Folder:

- ⊟ 📁 cotton_inc
  - 📗 tunica_bndy_arc.shp
  - 📗 tunica_bndy_GridPt.shp
  - 📗 tunica_bndy_GridPy.shp
  - 📗 tunica_bndy_poly.shp
  - 📗 tunica_zone_poly.shp
- ⊞ 📁 Hamilton Farms
- ⊞ 📁 Isbells
- ⊞ 📁 Matt
- 📁 My Music
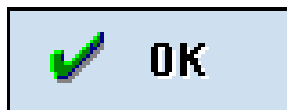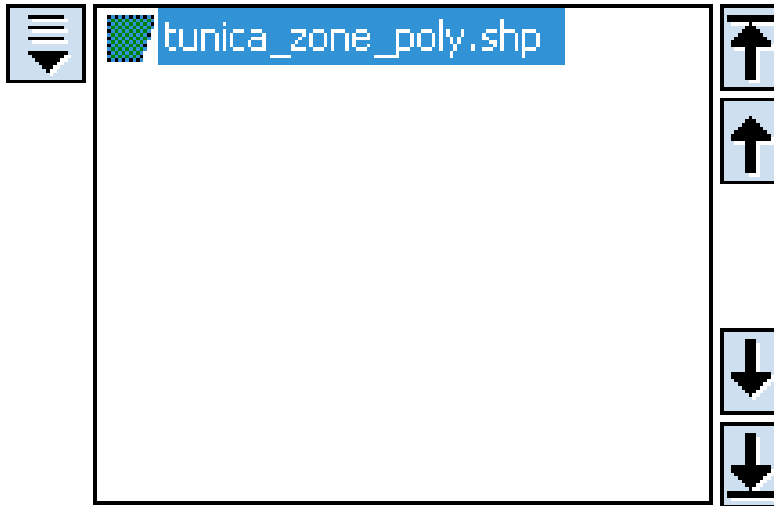- 📁 My Pictures
- 📁 Personal

✔ **OK**   ✗ **Cancel**

7. Select the file tunica_zone_poly.shp. (Make sure the file type is selected to Shape Files *.shp). Click **OK**.

Background Layers

Background

| tunica_zone_poly.shp |

OK   Cancel

8. Click on the arrow on the left side of the page and select "Label".

Text

Text Display

Attributes

Area
Length
Field
Dataset
Product
Obj__Id
Sample_ID
Name
Soil_ENR_I
Soil_P1_pp

○ Opaque

◉ Transparent

✔ OK   ✕ Cancel
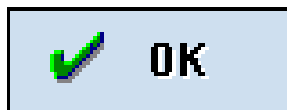
9. From the drop down menu select Sample_ID and select Transparent on the right hand side. Click **OK**. Click **OK** on the Background Layers page.
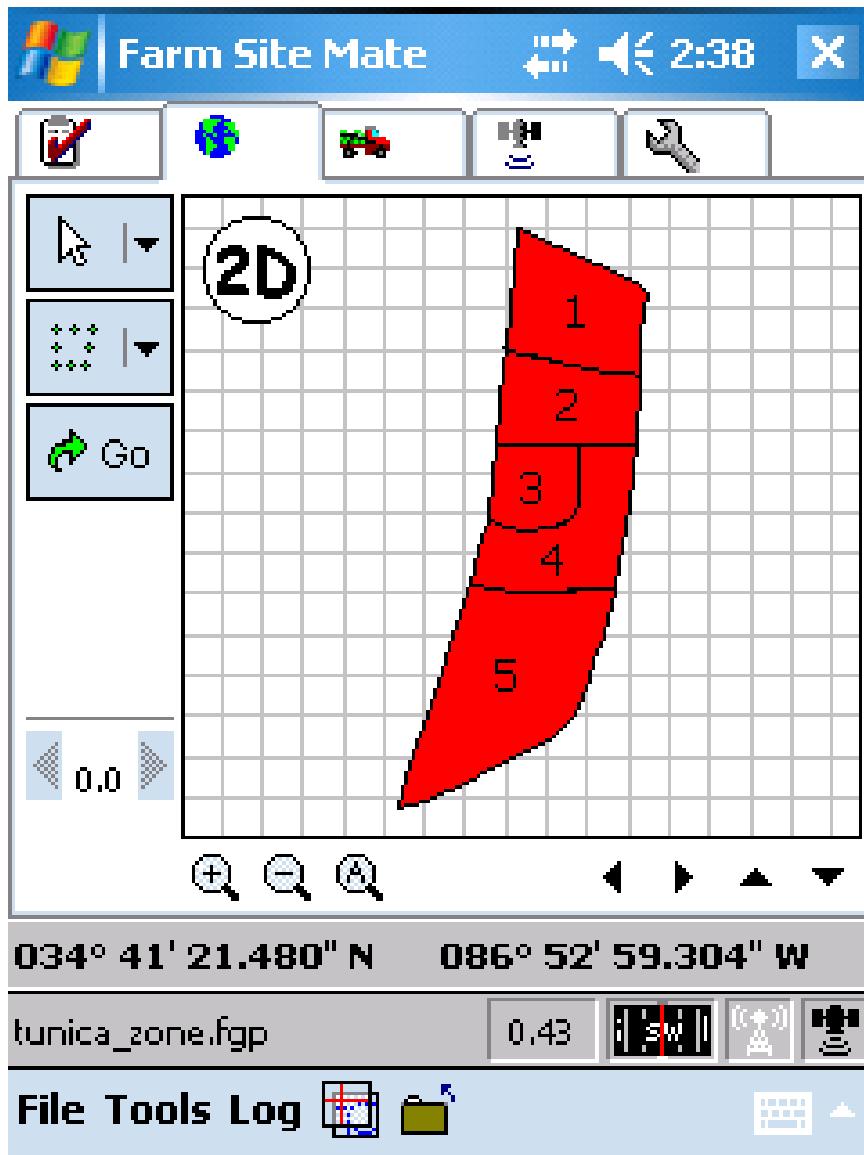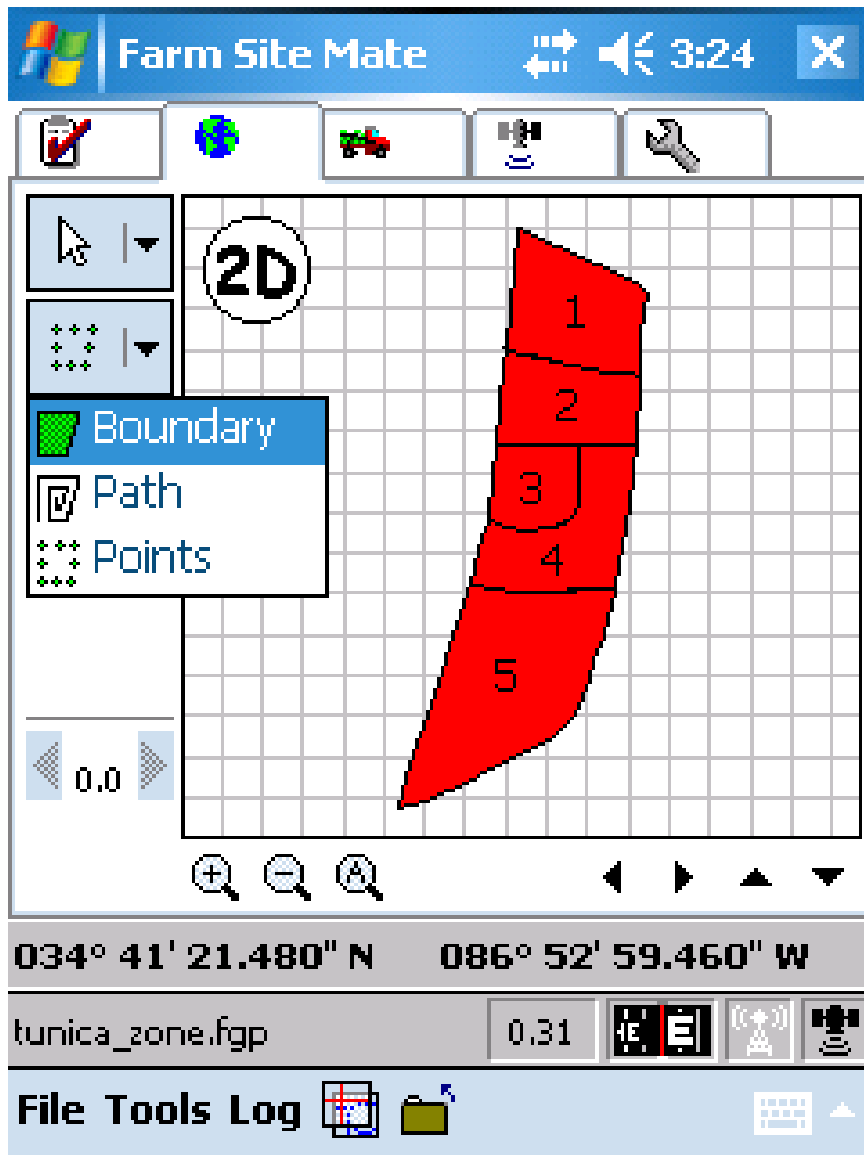
10. Touch the stylus on a zone and select Attributes to see the properties table for the zone.

Properties

Area (calc)	0.50 ac
Field	
Dataset	
Product	
Obj__Id	1.00
Sample_ID	1
Name	
Soil_ENR_I	0.00

✔ OK   ✗ Cancel

11. Features in the table can be edited by clicking in the box on the right.

Farm Site Mate — 3:24

2D

Boundary
Path
Points

0.0

034° 41' 21.480" N   086° 52' 59.460" W

tunica_zone.fgp   0.31

File Tools Log

12. Use the tools on the left to drop a point or create a boundary or path using your zone as the background.
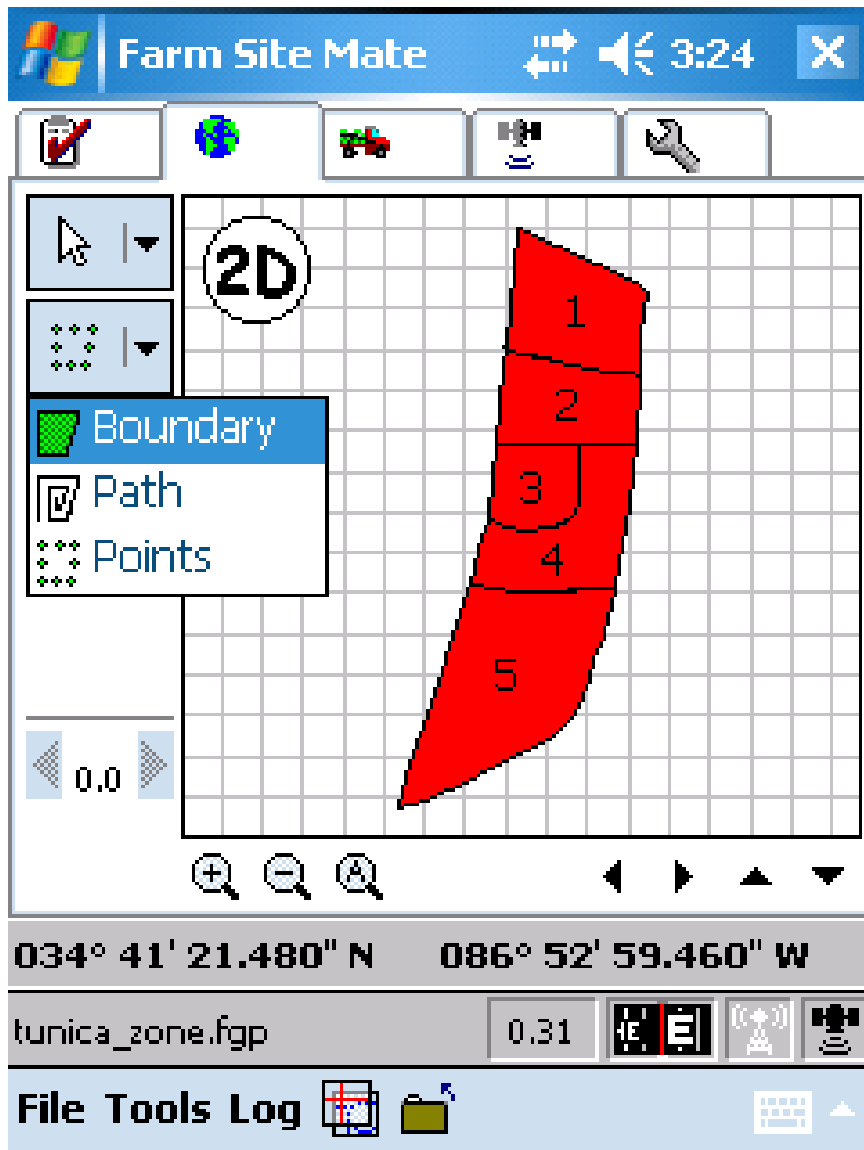
STOP HERE TO TRANSITION OUTSIDE - DO NOT close file or shut down iPAQ
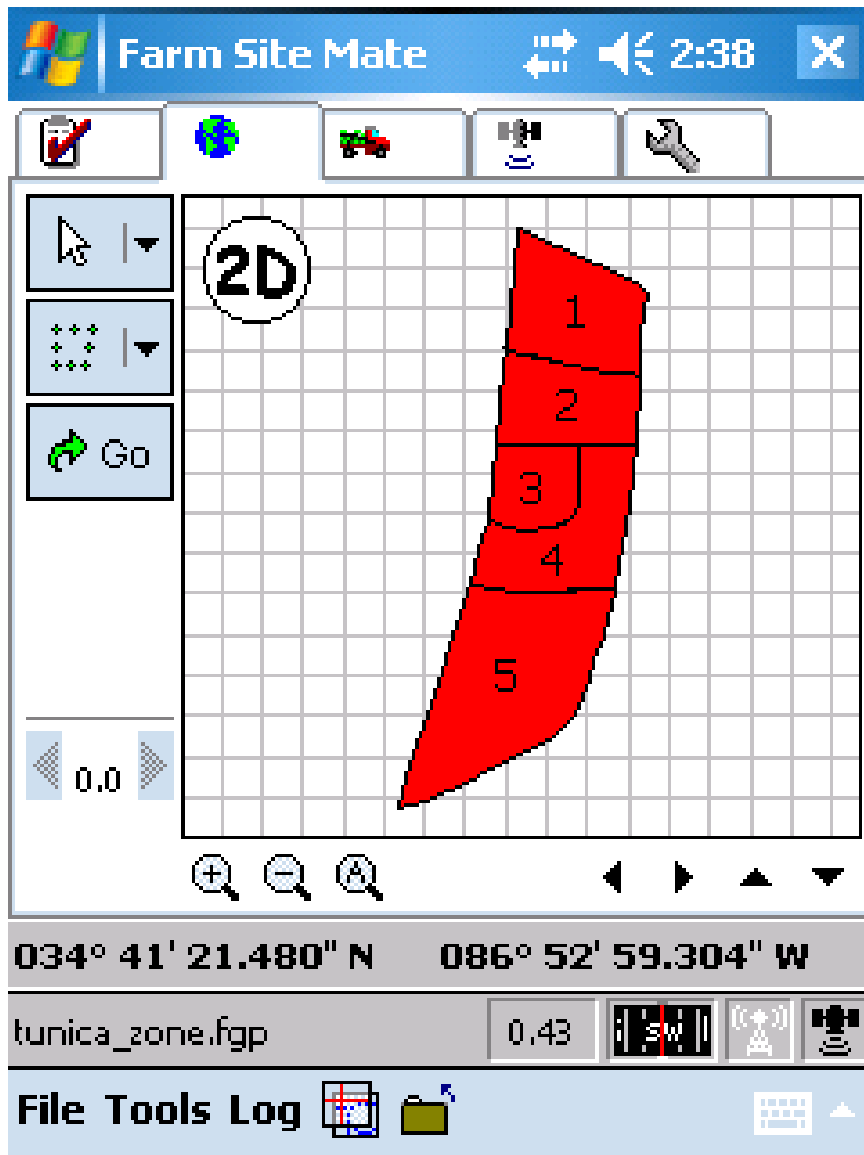
Navigation Exercise Using Site Mate

Precision Cotton Workshop
November 13, 2008

Amy Thompson Winstead
Regional Extension Agent, Precision Agriculture
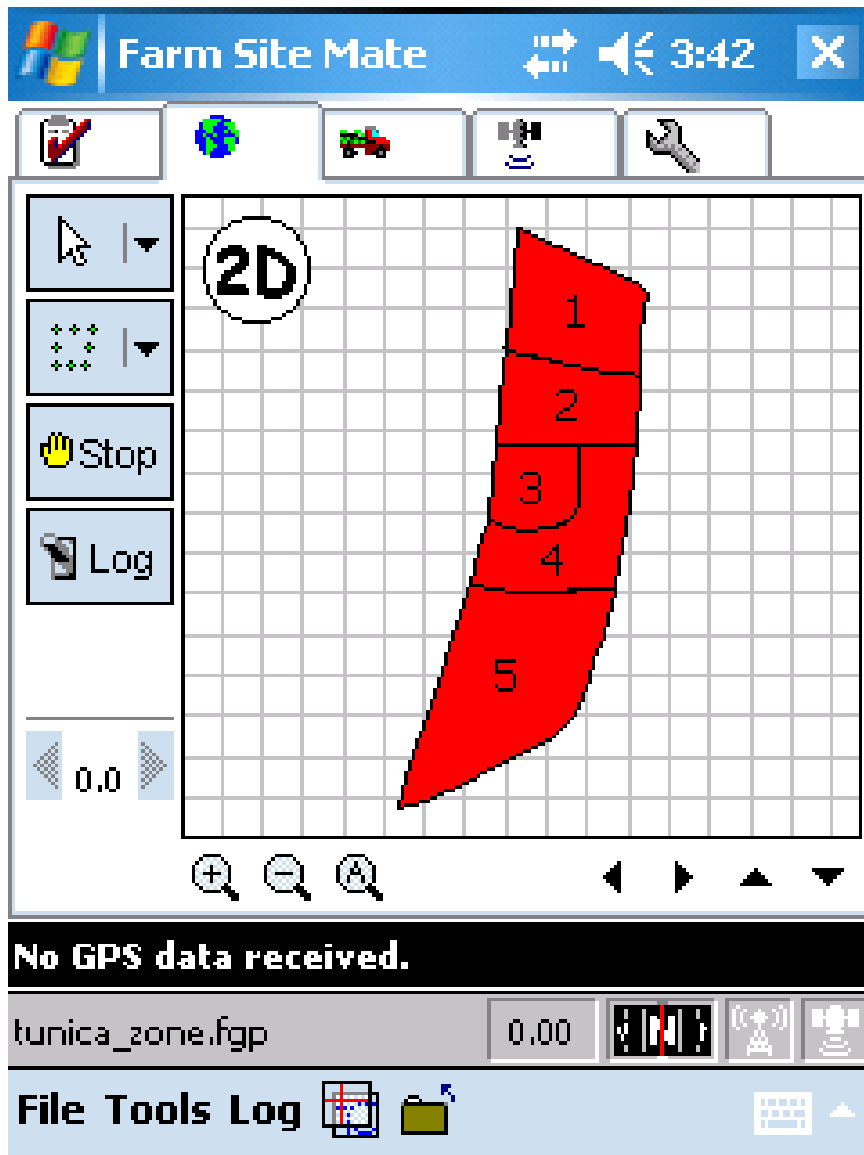Alabama Cooperative Extension System

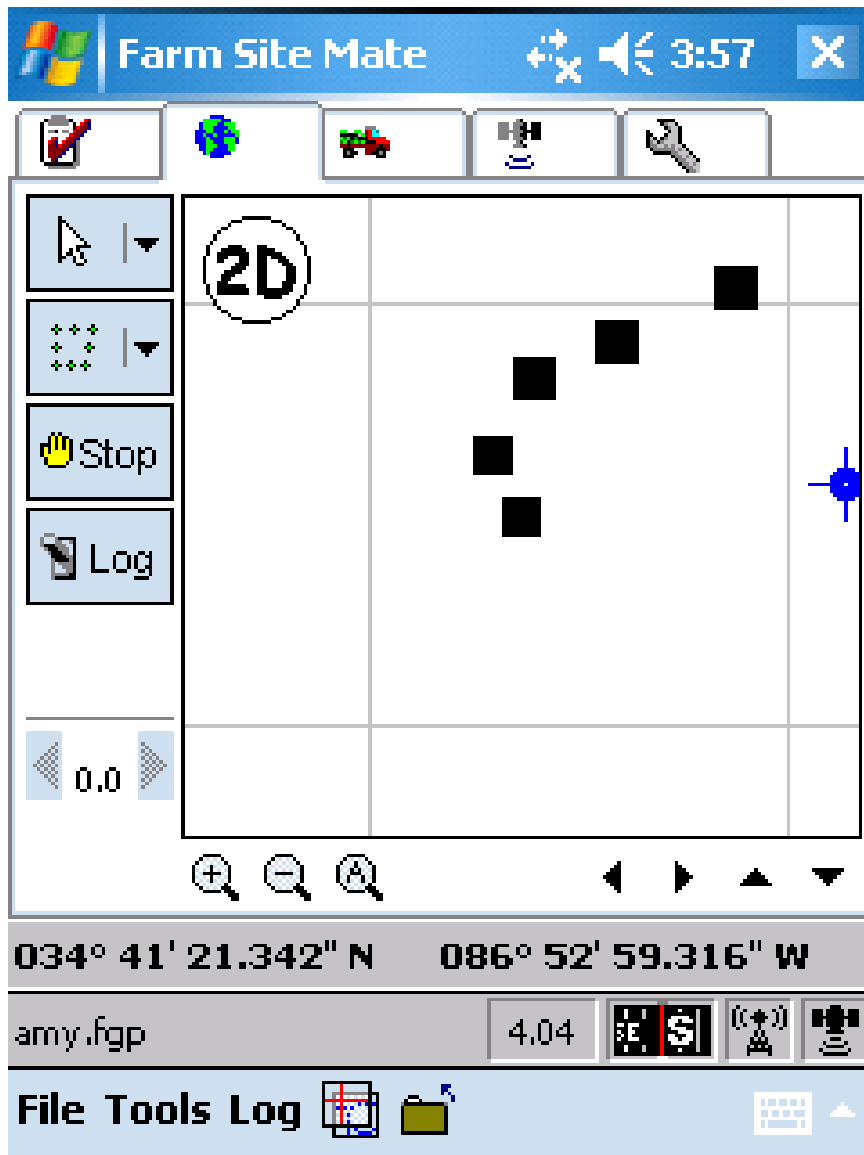14. Use the second drop down arrow on the left and select Points.

15. Select '**GO'**. The page now displays a Stop and Log button.

Farm Site Mate — 3:42

No GPS data received.
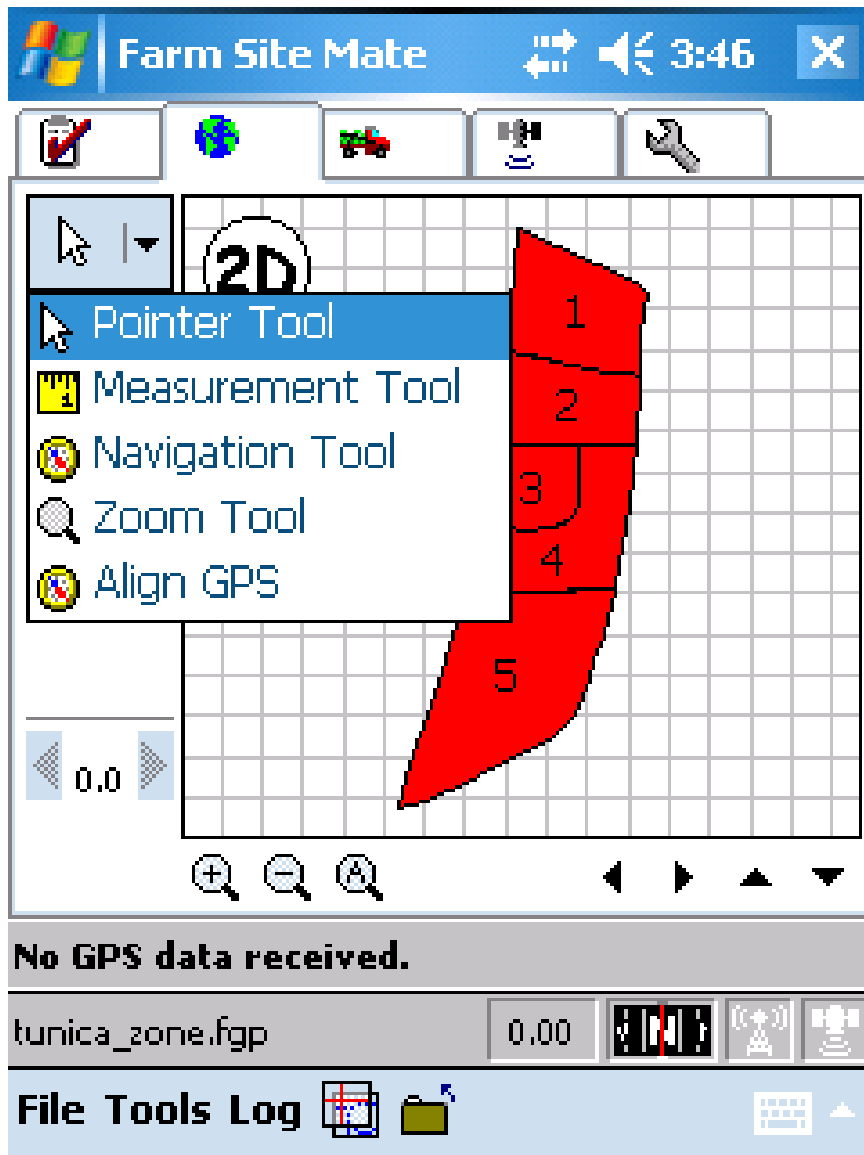
tunica_zone.fgp   0.00

File Tools Log

16. Click the Log button on the left hand side each time you want to mark a point.

17. You should see the points appear on the screen as you log them. Mark a couple of points and return to the start of the exercise.

18. Upon returning to the beginning of the exercise, swap iPAQ units with another group.

Farm Site Mate ⚇ ◀€ 3:46 ✕

- Pointer Tool
- Measurement Tool
- Navigation Tool
- Zoom Tool
- Align GPS

0.0

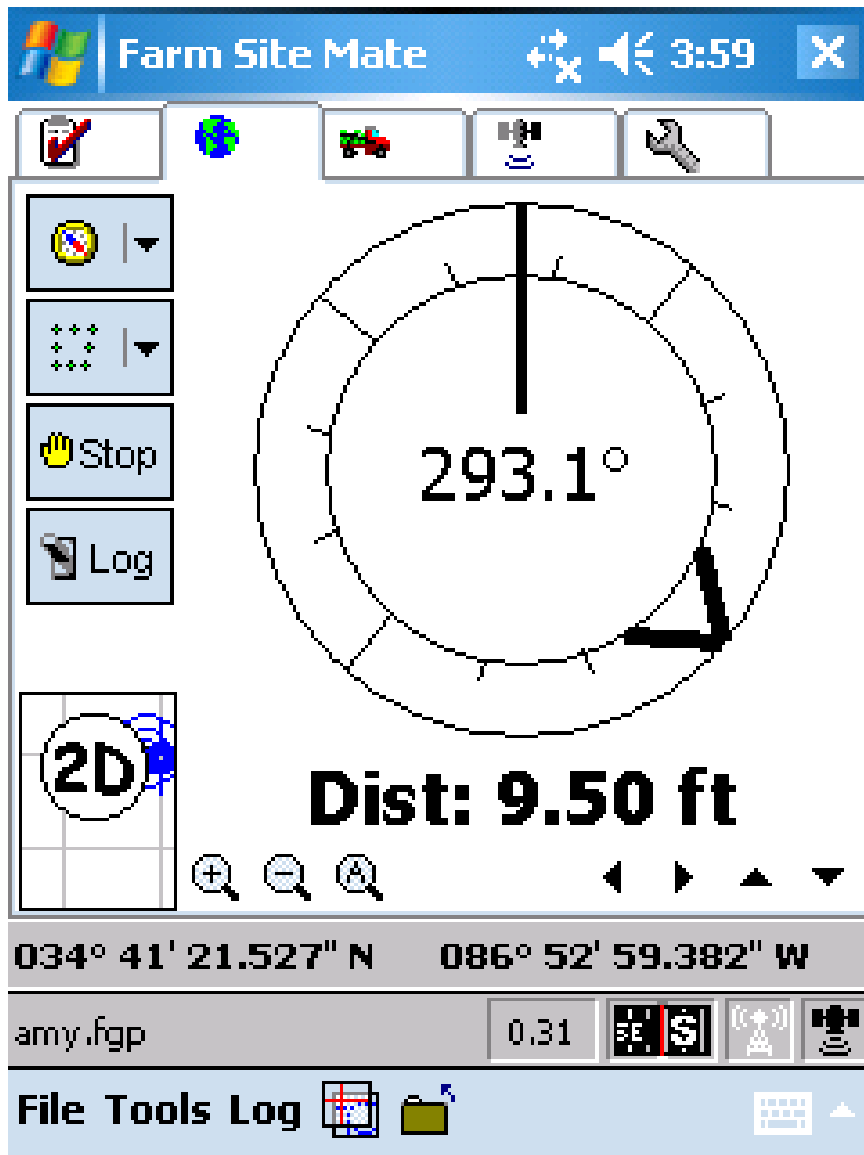No GPS data received.

tunica_zone.fgp   0.00

File Tools Log

19. Select the drop down menu from the top left hand side and select the Navigation tool.
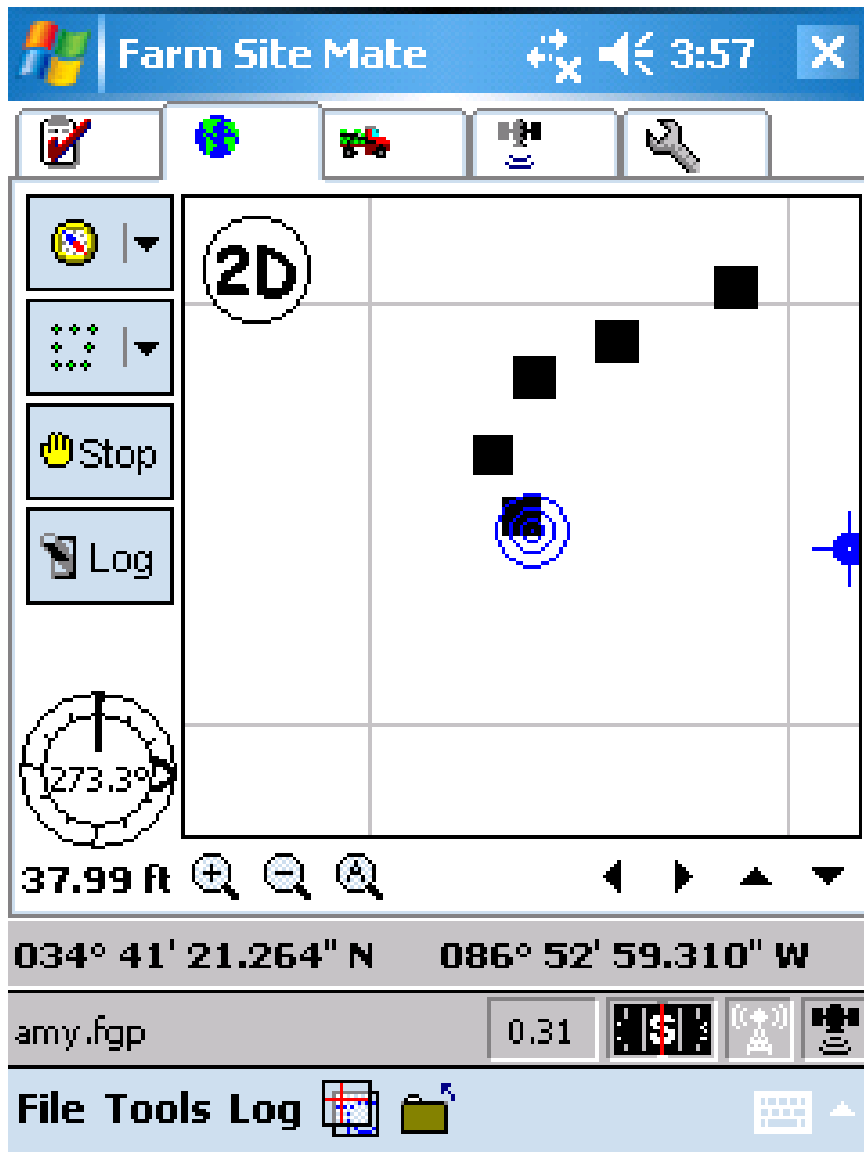
19. Click on a point and use the
Navigation tool to locate the
selected point. (The screen
view is always oriented North)
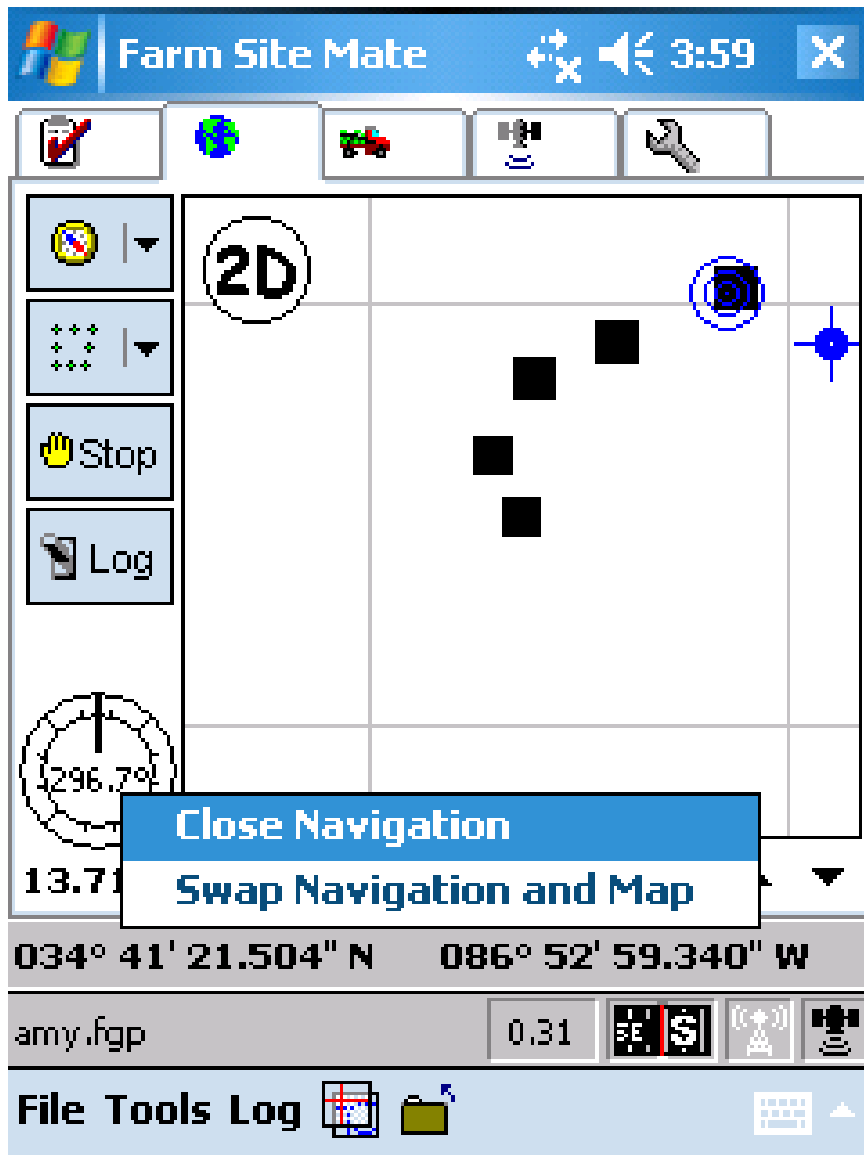
20. You can toggle the map view and compass view by clicking on the compass and selecting Swap.

Farm Site Mate — 3:59

293.1°

Dist: 9.50 ft

034° 41' 21.527" N   086° 52' 59.382" W

amy.fgp   0.31

File Tools Log

21. Repeat to swap back to map view.

Export Log File?

Do you wish to export this log?

- (●) Yes
- ( ) No

In the future...

- ( ) ALWAYS export the log file.
- ( ) NEVER export the log file.
- (●) ASK each time a log is saved.

[✔ OK] [✕ Cancel]

22. When finished navigating select File – Close all. Select Yes to export the log file and keep Ask each time selected. Click **OK**.

Export File

Export File Types

☑ Arcview Shape File (shp)

☐ Mapinfo Interchange File (mif)

☐ Farm Works GPL File (gpl)

| \My Documents\cotton_inc | ... |

✔ OK   ✗ Cancel

23. Select ArcView Shape File to Export and browse to save under \My Documents\cotton_inc. Click **OK**.

Export File

Arcview Shape File (shp)

Points

☑ | \My Documents\cotton_inc\tunica_zone_pts |

Paths

☐ | |

Boundaries

☐ | |

☐ Export as lines

✔ OK   ✕ Cancel

23. Select Points and Click **OK**