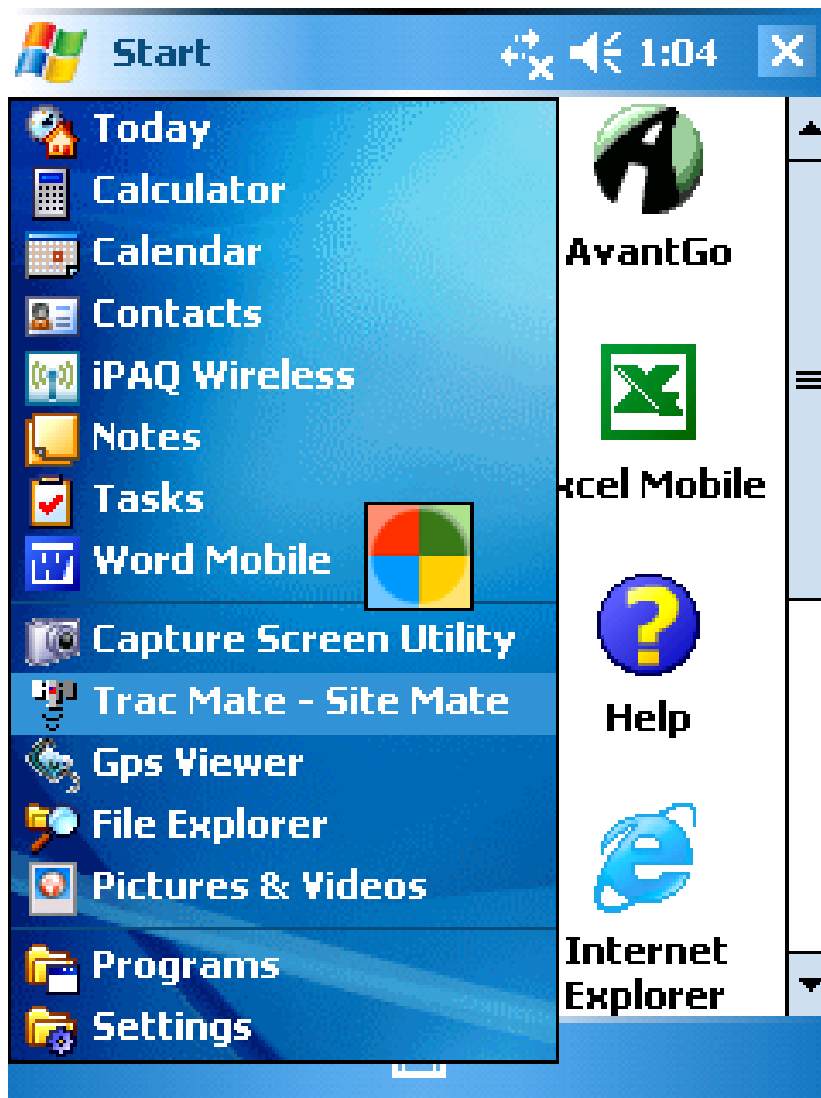


# Grid Sampling Exercise Using Site Mate

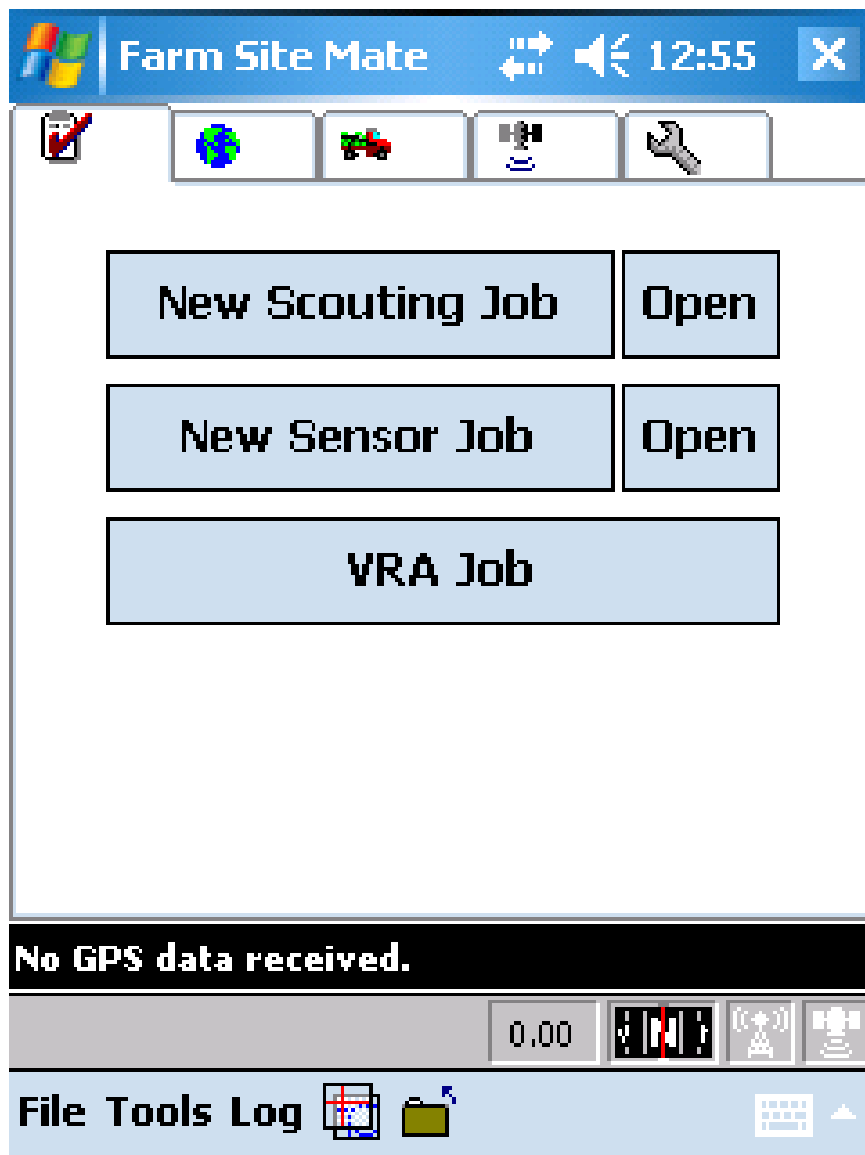
Precision Cotton Workshop  
November 13, 2008

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

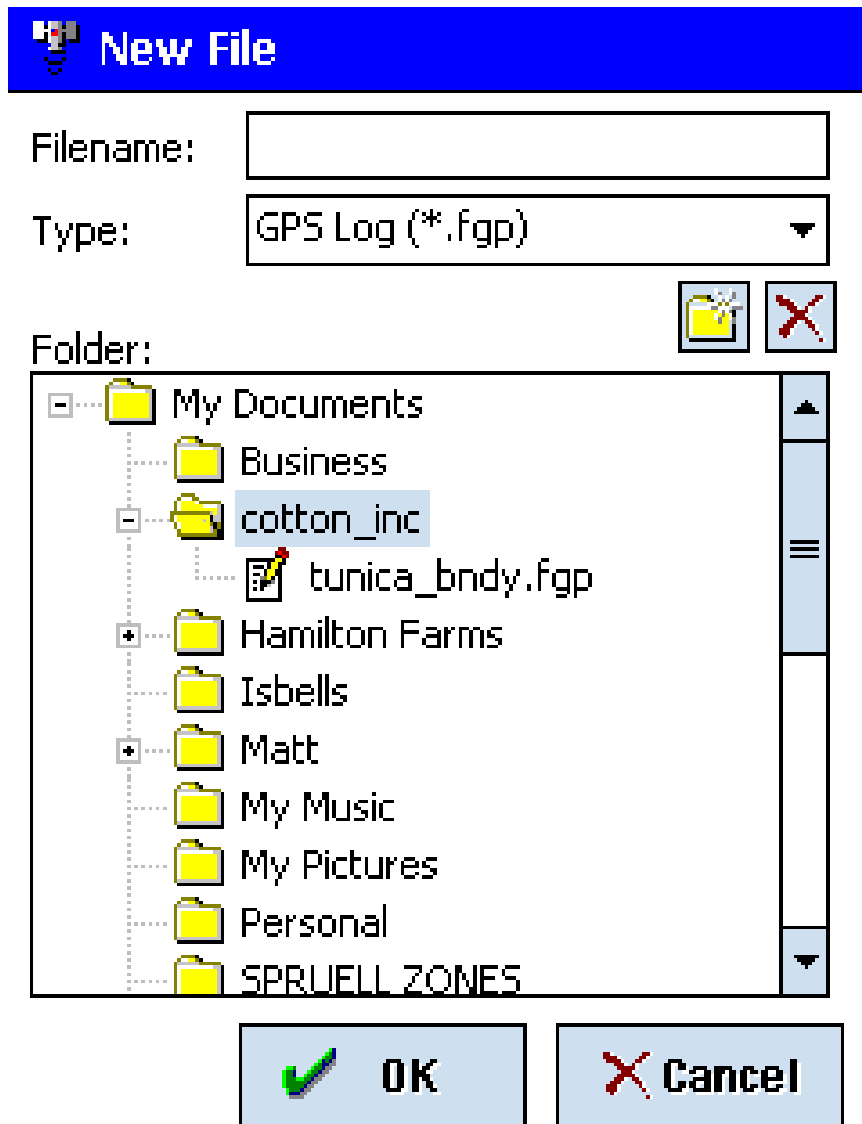




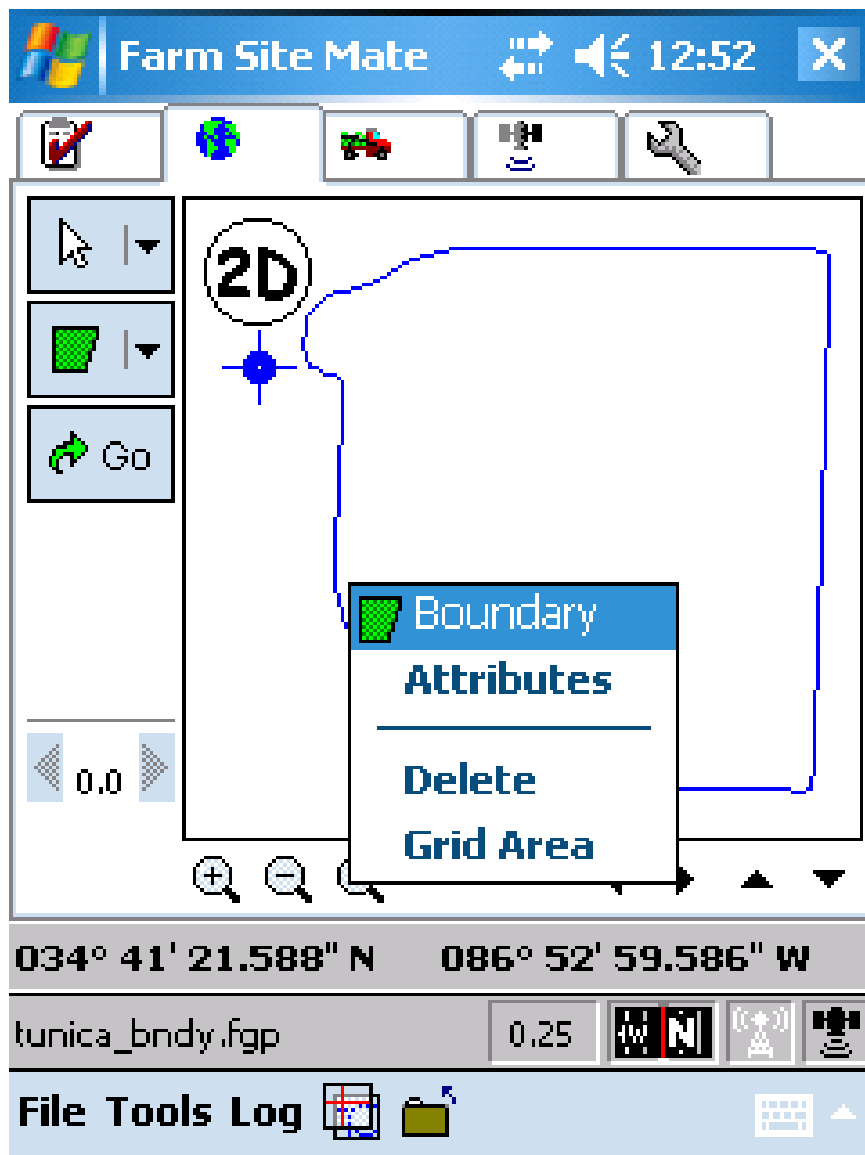
1. Open Site Mate by clicking on the iPAQ's Start button and selecting Trac Mate - Site Mate from the drop down menu. (You can also select 'Programs' from the Start Menu and then select Trac Mate - Site Mate).



2. From the main page, select  
Open, New Scouting Job



3. Under Folder open 'My Documents' by selecting the '+' sign on the left hand side. Select the folder labeled Cotton\_inc and the file tunica\_bndy. Click **OK**.



4. Touch the stylus on the boundary and select Grid Area from the box.



## Create Sampling Grid

Shape

Size



Square



Rectangle

20.000



feet



Acres

Target Point Location

Center



Center

Stagger Parallel

Stagger Perpendicular



OK



Cancel

5. Select the shape, size and location of the sampling point location and click **OK**.



6. Follow the screen instructions to place and align the grid. Use the tools on the left to change grid size and rotate or move the grid placement. Click **OK** when finished.



## Create Sampling Grid

File Name

\My Documents\cotton\_inc\tunica\_bndy\_G

File Format



ArcView Shape File (shp)



MapInfo Interchange File (mif)

Object Type



Points



Lines

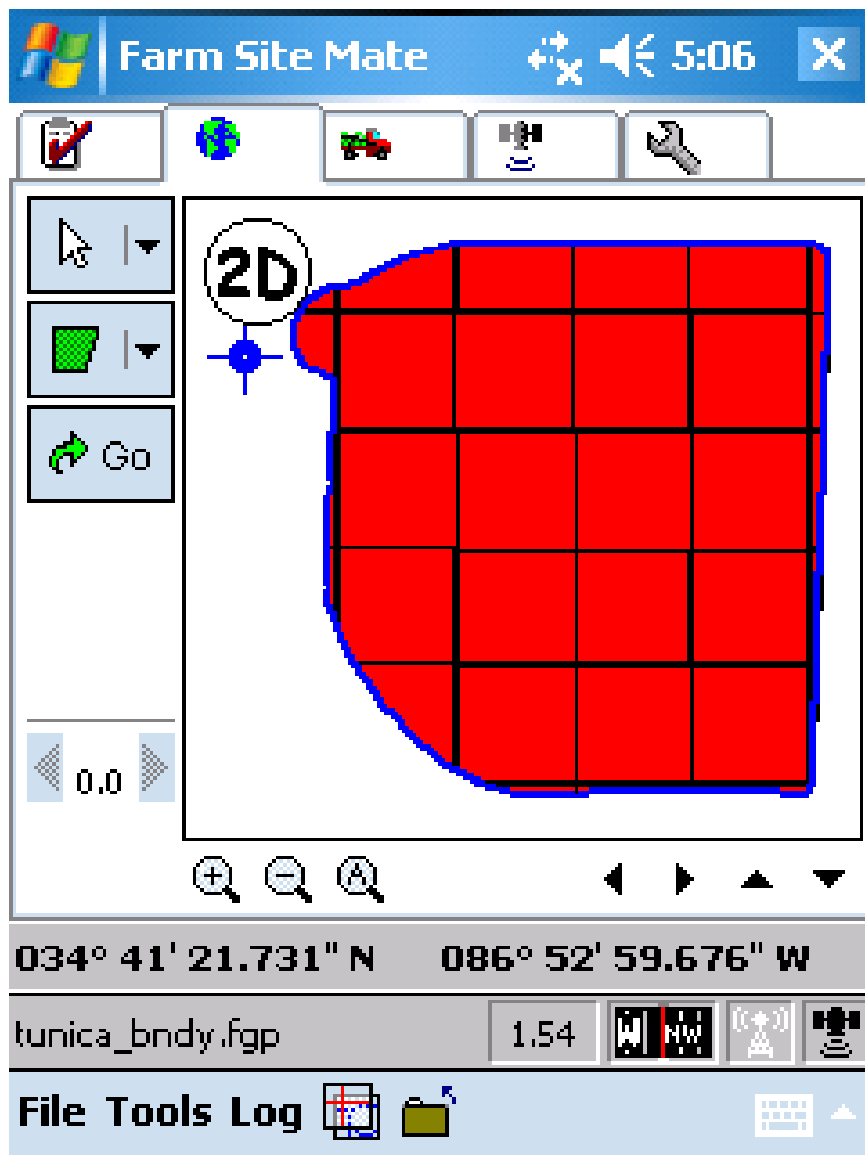


Polygons



7. Select ArcView Shape File and Polygons. Click **OK**.

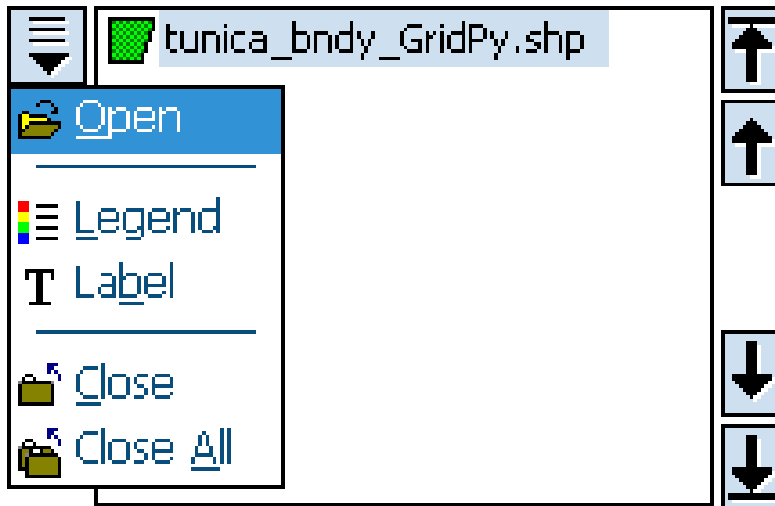




8. The grid is now clipped to the field boundary. Select File – Layers and select the file tunica\_bndy\_GridPy.shp.

## Background Layers

Background



9. Click on the arrow on the left side of the page and from the drop down menu select Label. Click **OK**.



## Text

Text Display

Attributes

|                 |
|-----------------|
| Area            |
| Length          |
| <b>SAMPLEID</b> |
|                 |
|                 |
|                 |
|                 |
|                 |
|                 |
|                 |
|                 |

☐

Opaque

☒

Transparent

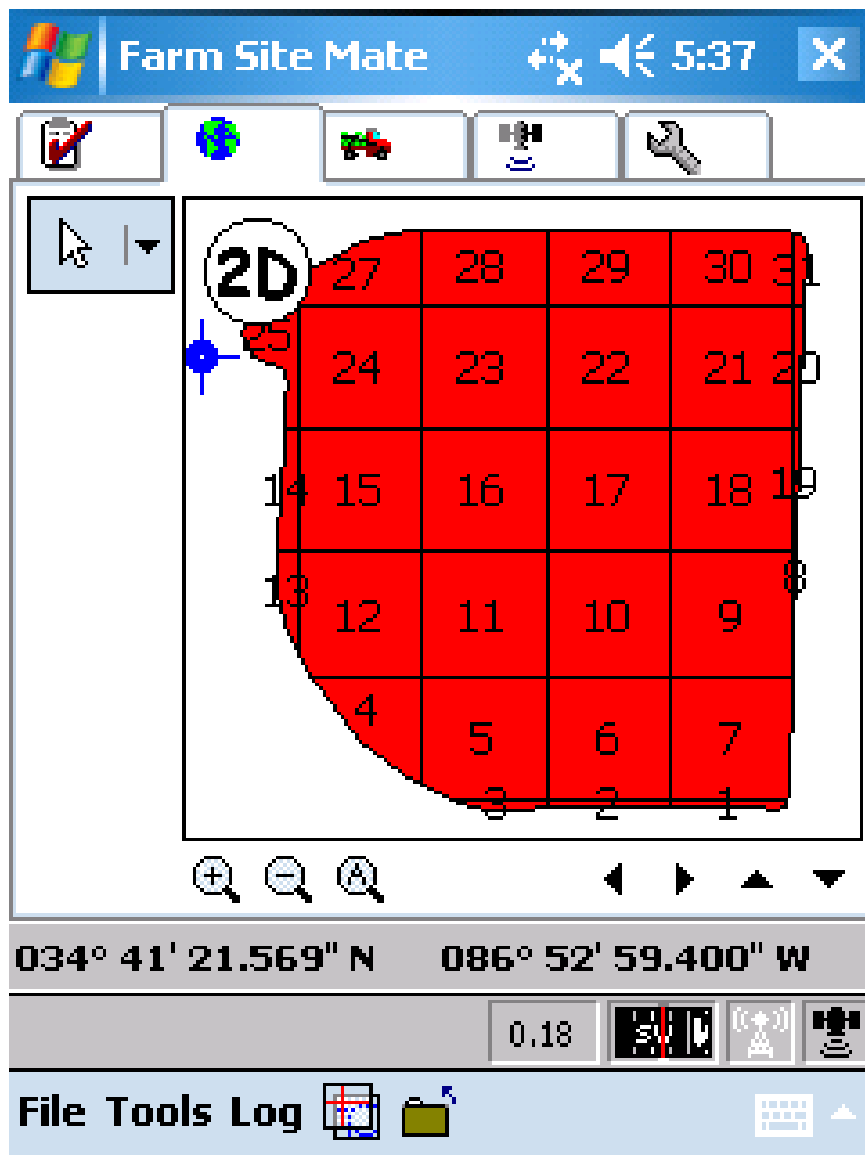


OK

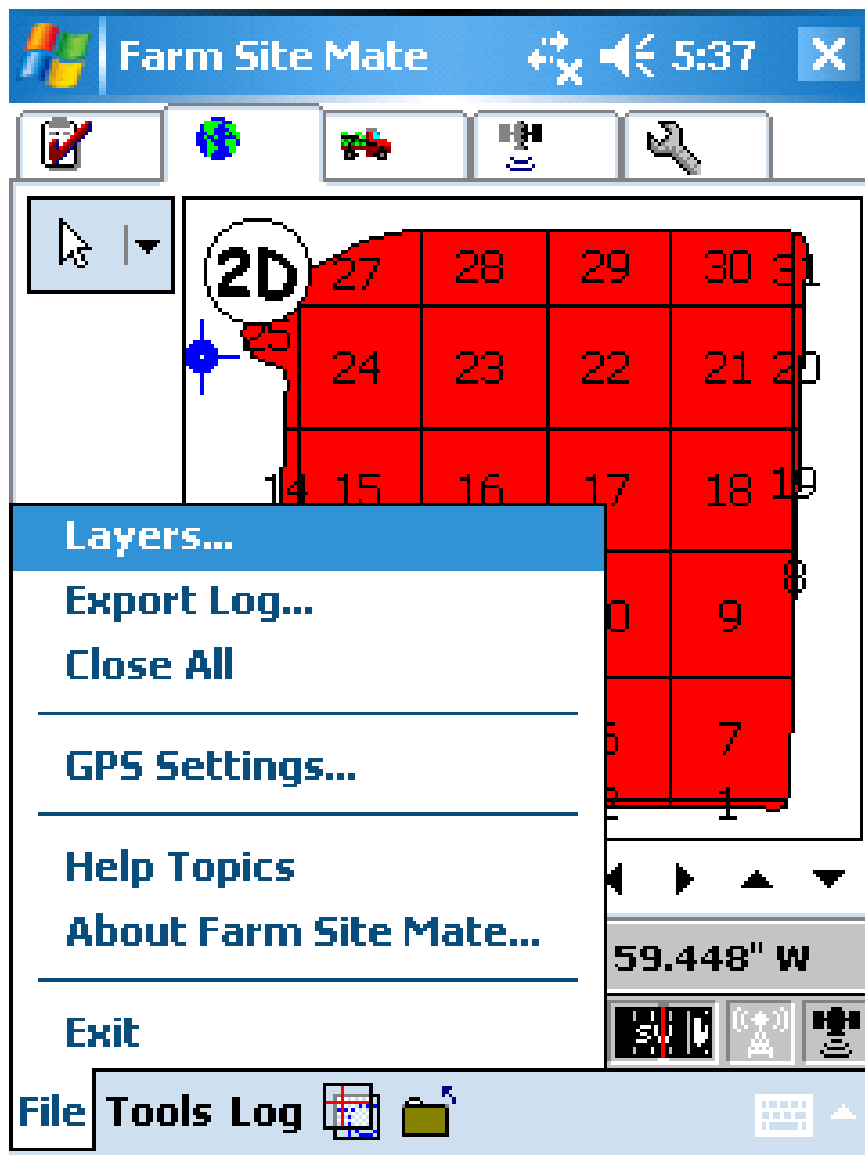


Cancel

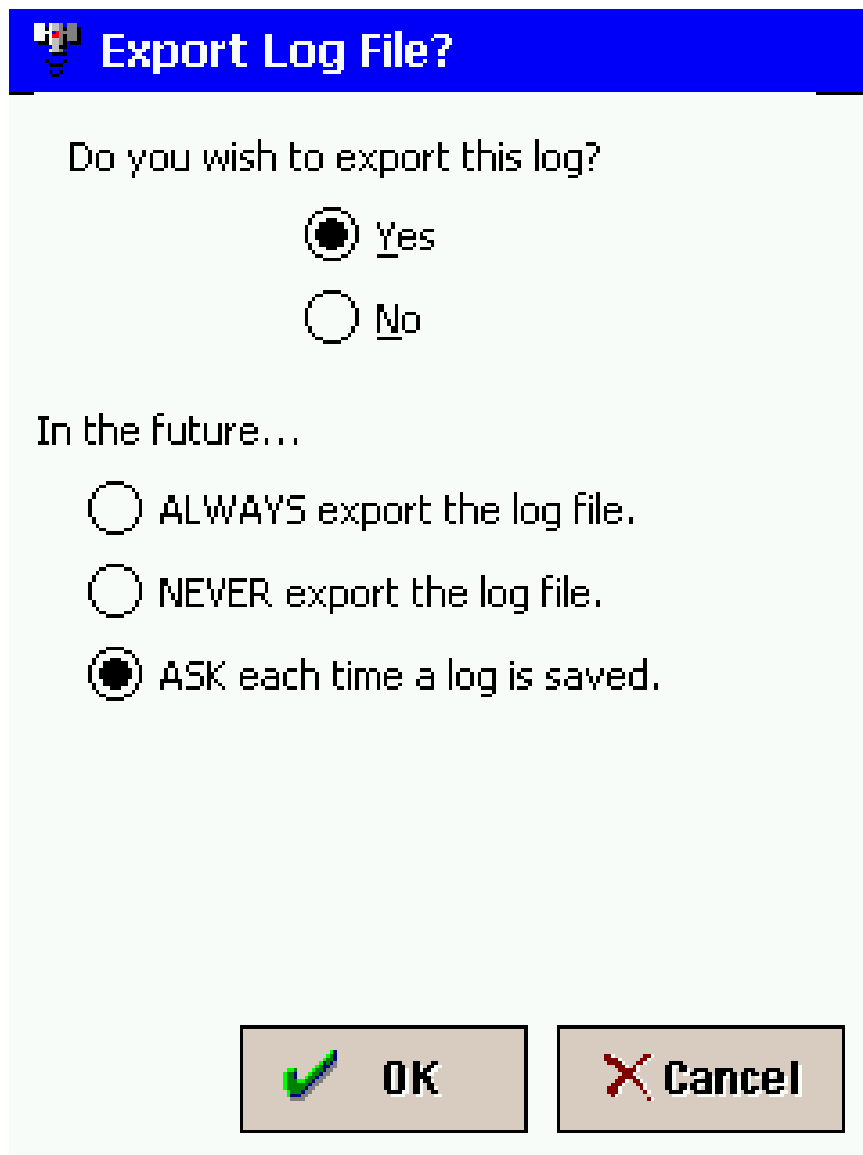
10. Select SAMPLEID and Transparent. Click **OK**. Click **OK** on the Layers page.



11. Each grid is now numbered and ready for sampling. Use grid numbers to label soil samples in order to match soil sample results with the correct location. Use the blue cursor on the screen to find the center of each grid.



12. Select File – Close all.



11. 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

12. Select ArcView Shape File to Export and browse to save under \\My Documents\\cotton\_inc. Click **OK**.