Exploring the supplied data

FutturaField comes with some supplied data so that you can gain a feel for the system without picking up your own data first. There are two jobs preloaded into the My Documents directory. They are Estate which shows a typical new housing estate and dam which is a pickup of a creek valley; where it would be possible to build a dam.

Select the programs folder and tap the FutturaField icon. The program is run with a new document. Tap the File menu item and select open. Initially there will be only the two FutturaField databases shown; Estate and Dam. If you have added in your own job to this folder there may be more. In this case we are first going to look at the housing estate or subdivision example as seen in figure 2.

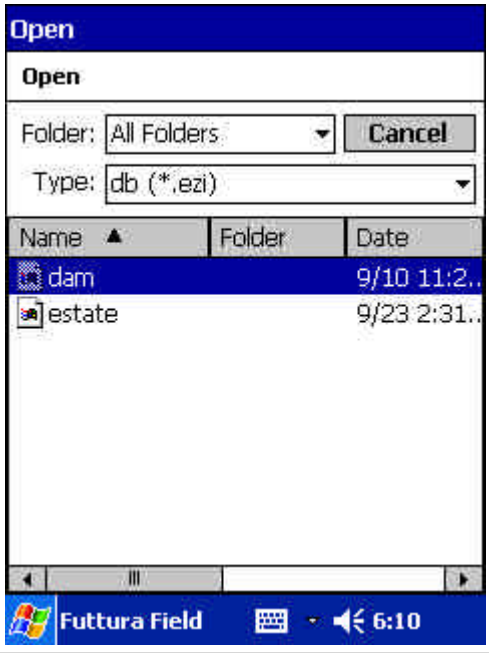


Figure 1

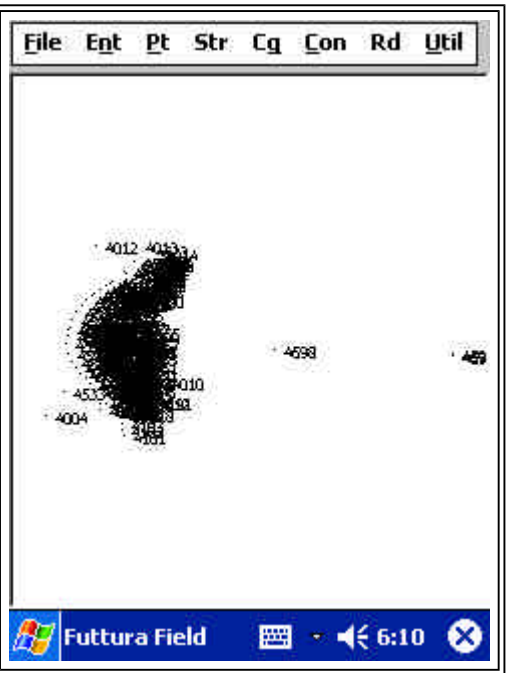
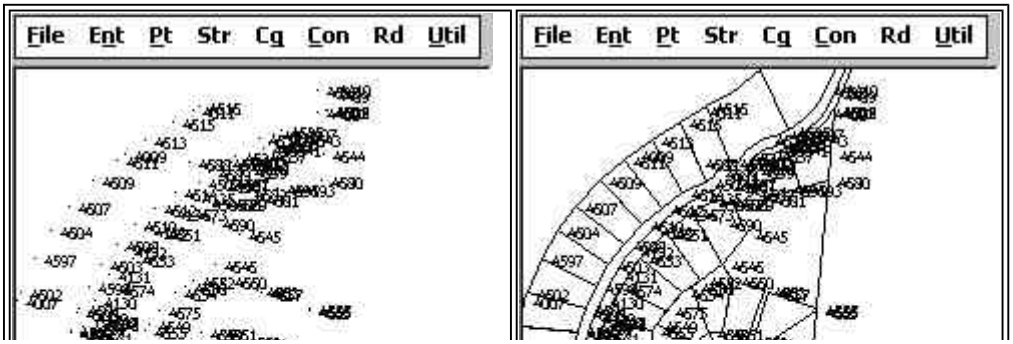


Figure 2

When we first open up this job we tend to have a blob on the left hand side of the screen. This is all the point numbers. There are a couple of points to the right of the screen that are some arc center points. Unter the Util menu select zoom and then Window. To zoom a window place the pen at the bottom left of the new window and stroke the pen up and to the right. When you are at the top right hand corner of the window lift the pen of the screen. You will now have what you see in figure 3. We have some strings displayed for this job so we would like to display them. Under the util menu tap the string entry. If strings are currently not displayed this will display them. You now have figure 4.



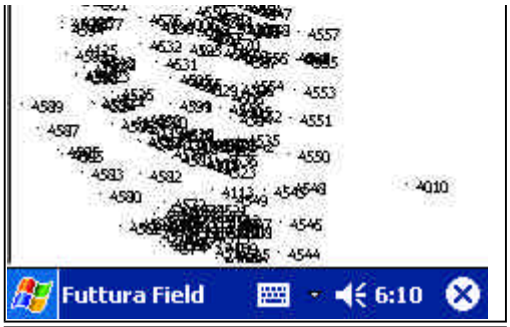


Figure 3

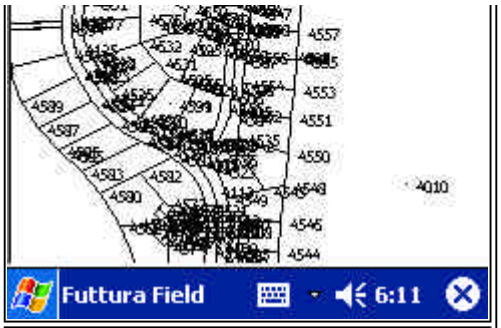


Figure 4

In this case we don't wish to view the point numbers. Turn them off by selecting points on the Util menu and clicking on the points entry. As points are currently displayed this toggles off the point display. By doing a further zoom window we can obtain the view shown in figure 5.

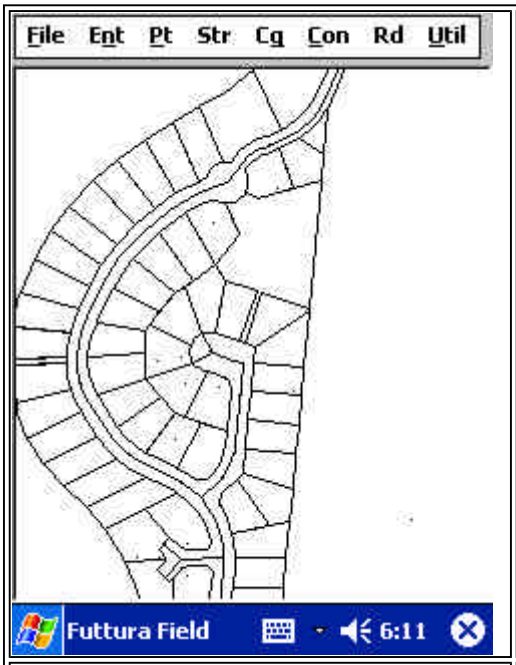


Figure 5

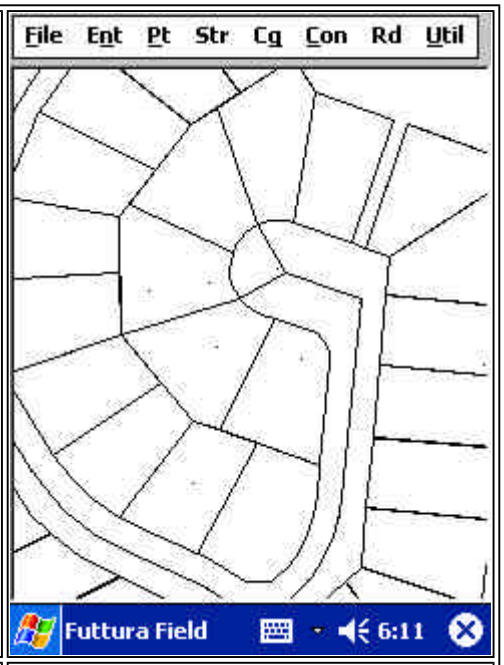
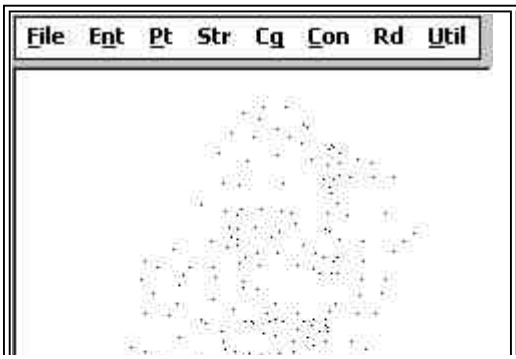


Figure 6

We will now look at the second supplied example. This is a creek valley. Select the File menu and then open. This time tap the dam job. The job will come up as in figure 7. There are no point numbers displayed as we have turned them off in the previous job. In this case we wish to calculate some triangles and then create some contours. Tap on the Con (Contour) menu item as per Figure 8. We can modify the triangles formed by bringing up the parameter screen were we can specify height limits and the maximum length of any triangle sides. Please refer to the printed manual for further details.



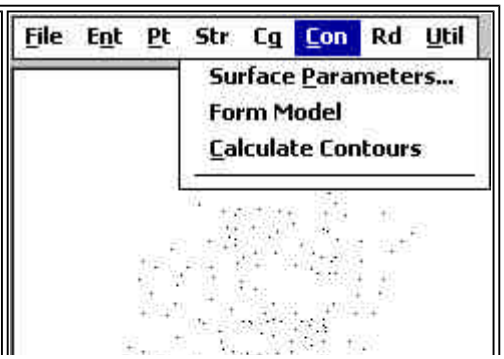


Figure 7 | Figure 8

We first triangulate the job. Simply tap on the form model entry and the program will create a triangulated network. Once this is complete simply tap the calculate contours entry. The contours will be created on the screen. Once it is finished you have the option of saving them away or deleting them. You should now be at Figure 10.

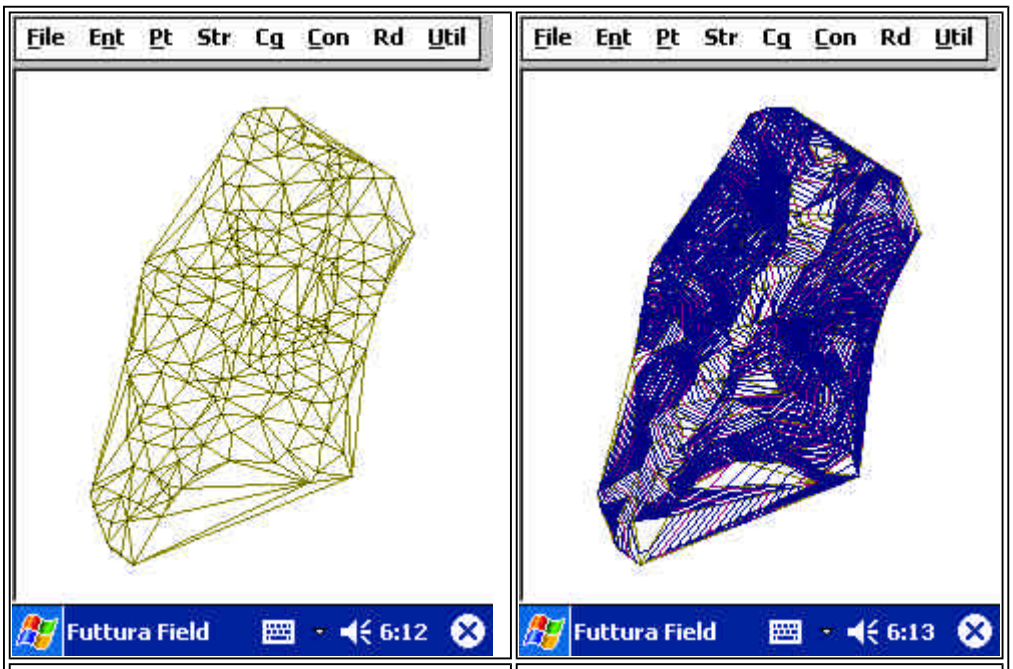
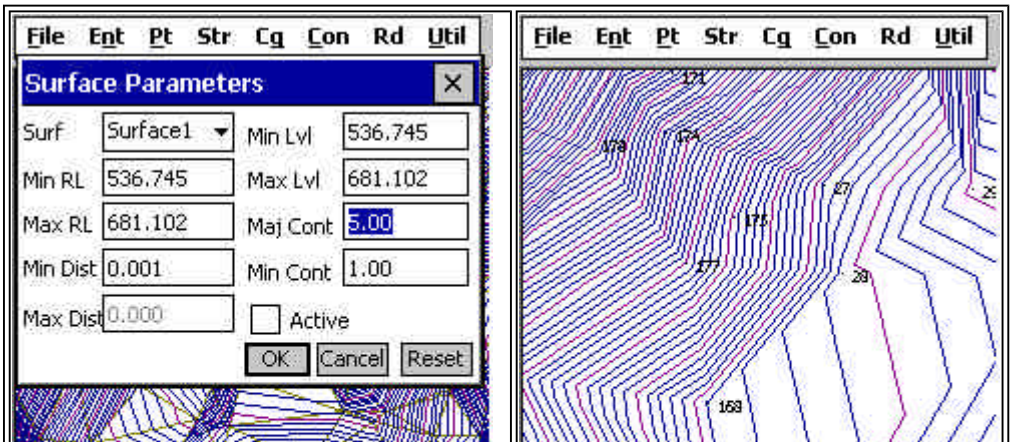


Figure 9 | Figure 10

If these contours are not to your liking you are able to go back to the setup parameters and change some of the parameters. In this case we have added in a check on the maximum triangle length. This has deleted the triangles bridging the gap at the bottom. We have also changed the contour intervals as the triangles created were too dense. We now have what is seen in Figure 12.



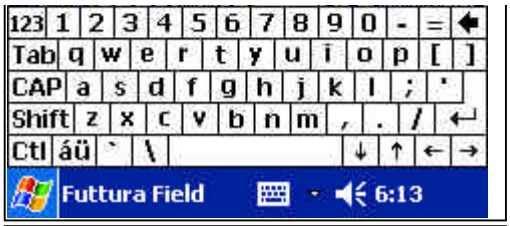


Figure 11

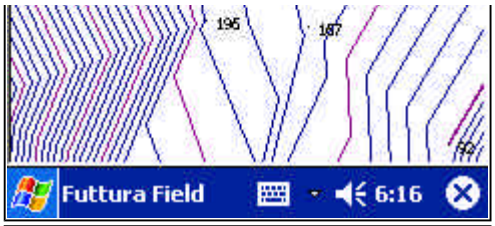


Figure 12

The above tutorial is only meant as a quick overview to show the first time user what the FutturaField package is capable of displaying. It shows that even if you haven't a connection to a total station or GPS ; that FutturaField is a much better alternative than lugging pieces of paper out on to the work site.