TreeMinder™

Tree Management Software

For Version 4.06 and later

Contents

1 ABOUT TREEMINDER™

TreeMinder™ is a tree survey and management program that enables tree records gained from different types of inspection to be easily kept and maintained. There are two types of survey in the program:

- General Tree Management
- BS5837:2012 Compliance

Although it works effectively as a stand-alone product, it has been designed to also work in conjunction with the **PocketGIS** software for mobile data capture and with **MapLink** for plotting trees onto a map and using the map as an interrogation tool.

Using PocketGIS and a hand-held data capture device, survey results can be transferred directly into TreeMinder thereby avoiding any manual data entry. By linking to MapLink, all trees or just selected trees can be automatically plotted onto a map provided their co-ordinates are known. Users can then click on a tree on a map to see the details for that tree, or ring around a group of trees to produce a report just on those trees.

For importing data from PocketGIS, please refer to Appendix A.

1.1 General Tree Management
The majority of tree survey work will come under the heading of general tree management, where a fast, easy means of recording key information is required.

1.2 BS5837:2012 Compliance
Surveys of development sites require compliance to BS5837 and TreeMinder provides a facility to easily record information for the arboricultural inspection part of a tree management plan. Reports are provided in a format that Tree Officers will recognize as consistent with the British Standard.

1.3 Risk Surveys
Risk Surveys are no longer supported on new installations of TreeMinder however if you have an existing surveys from an earlier version they can still be used. Please refer to an earlier version of this user guide if you need information about working with these surveys.

1.4 Data Capture
Major productivity gains can be achieved by using the PocketGIS software with a mobile computer. This can be a tablet PC running TreeMinder™, an off-the-shelf Pocket PC running PocketGIS or a ruggedized unit with high quality integrated GPS, also running PocketGIS. Pear Technology supply data entry schemes for PocketGIS that exactly match the TreeMinder™ formats, so captured data can be loaded into your recording system at the click of a button.

Please see Appendix A for help in importing data from PocketGIS.

2. GETTING STARTED

2.1 Copyright

This program is the intellectual property of Pear Technology Services Ltd and is copyright protected under international law.

2.2 Installation

Insert the CD into your CD-ROM drive, wait a few seconds and follow the on-screen instructions. On completion, a short-cut icon will be automatically placed on your desk top.
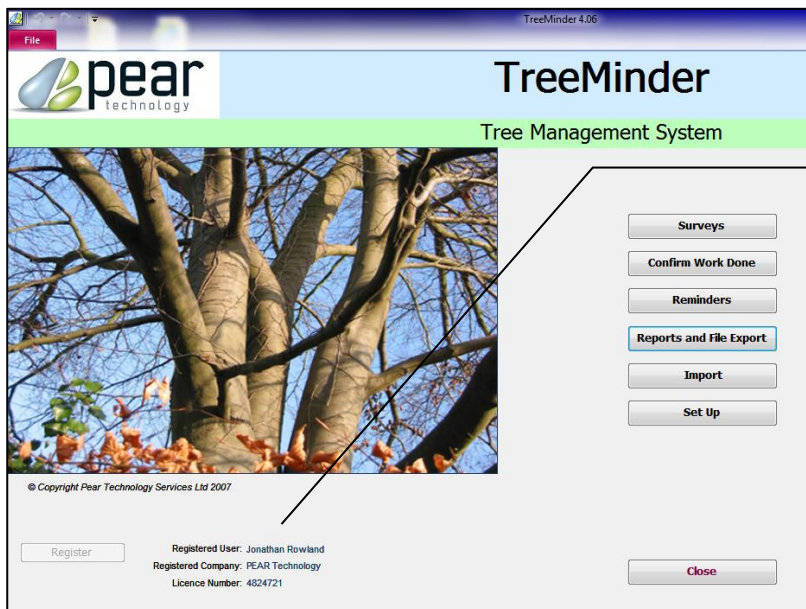
2.3 De-installation

Click on the Windows Start button, select Control Panel, Add/Remove Software, highlight TreeMinder™ in the list of programs that will be presented and click on Install/Remove. This will cleanly remove the program from your computer.

2.4 Back-up Records

Whenever you exit TreeMinder™ you will have the option to take a back-up of your data. It is strongly recommended that you do this after each time you have entered new data.

2.5 Registration

TreeMinder™ will operate for 30 days from the date of installation before registration is required. After that time, all data is retained, but access to the program is prevented. To register the product, start TreeMinder™ to get the Home screen and click on the Register button. The pop-up will give you a number – please contact Pear Technology with this number and they will provide an Unlock Key upon receipt of payment.
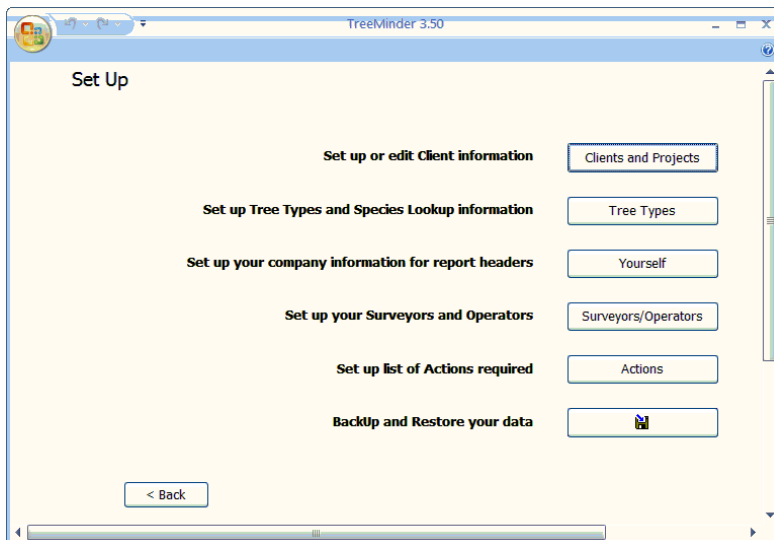

After first installation, a Register button will appear. Click on this then contact Pear Technology with the number you will see in the pop-up.

After Registration, your details will appear as shown here.
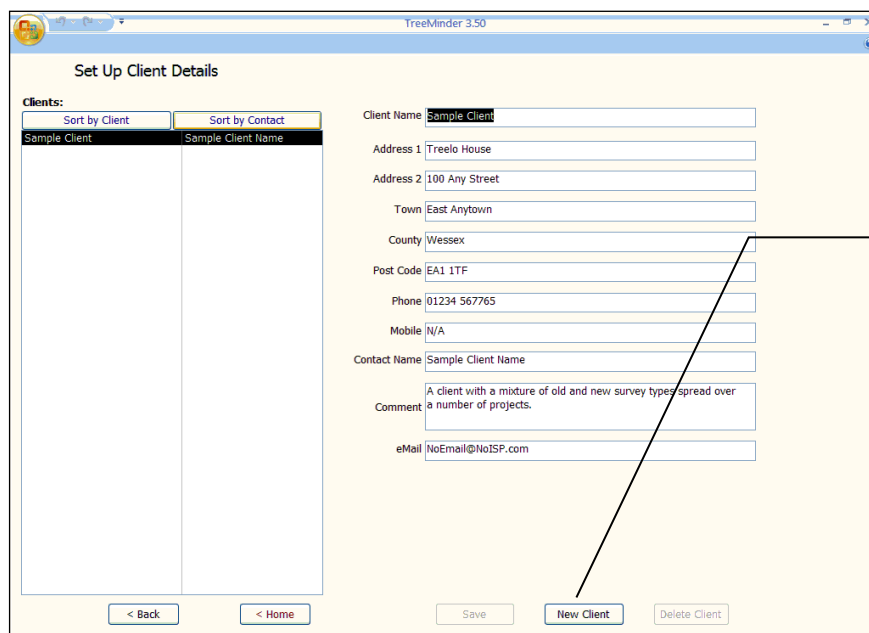
3. SETTING UP

TreeMinder™ has been designed to minimize keyboard entry and as much as possible is done through the use of drop-down lists. Many of these, such as tree species etc. are pre-loaded, but you will need to give the program information about yourself and your clients. This information then appears automatically on the reports, giving them a professional appearance.

From the Home page, click on Set Up to get this screen:

3.1 Set Up - Clients and Projects

3.1.1 New Client

Click here to add a new client.

3.1.2 New Project

Click here to browse for the relevant map file.

Click on New to clear the entries for a new project.

If you wish TreeMinder to plot trees onto a map, the map for each project must be specified here. The map must be in PT-Mapper/MapLink/MAPS format and will have a file extension .MPD. If the map has been created or supplied from PT-Mapper, the map co-ordinates will be in centimeters.

3.2 Set Up - Tree Types and Species

Click on the Tree Types button to get this screen:

To Edit, highlight the Type or the Common Name row and make the changes.

To add a new tree/species, scroll down and highlight the bottom, empty line of the Type or the Common Name column and enter the data.

Changes are automatically saved.

IMPORTANT! If you make changes to this table, it will no longer be compatible with the data capture schemes supplied for use with PocketGIS. If you wish to make changes and to use PocketGIS, please contact Pear Technology. (Tel 023 9249 9689)

3.3 Set Up - Your Company Information

Click on the Yourself button and enter the relevant information. As well as textual information you can include your own logo on the reports by clicking on the Select a Logo button and browsing for the logo file. **N.B. Only .BMP formats can be used**. Files in .JPG or .TIF formats can be converted using Microsoft Paint – Start, All Programs, Accessories, Paint.

Click here to browse for your logo file. It must be in .BMP format

3.4 Set Up - Surveyors and Operators

Print reports here.

The purpose here is to provide traceability, records of qualifications held and expiry dates.

3.5 Set Up - List of Actions

A list of common tasks is pre-loaded for each type of survey but you can easily edit this to meet your own or your clients' requirements.
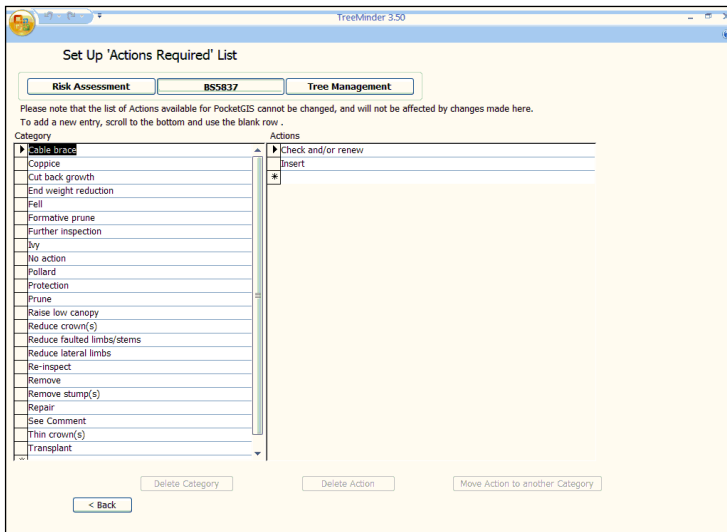
IMPORTANT! If you make changes to this table, it will no longer be compatible with the data capture tables supplied for use with PocketGIS. If you wish to make changes <u>and</u> to use PocketGIS, please contact Pear Technology. (Tel 023 9249 9689)

3.6 Set Up - Back Up and Restore
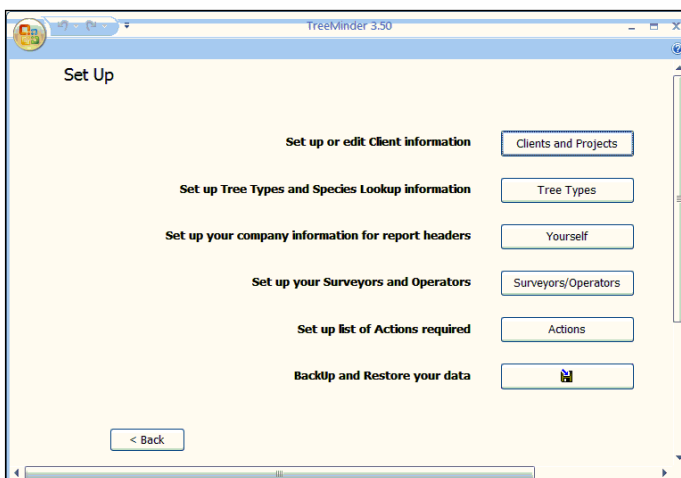
It is essential that you back up your data regularly, so TreeMinder makes this as effortless as possible. Every time you exit the program, you will be asked if you wish to make a back-up. Restoring data from a back-up file is straightforward.

4. COMPLETING A SURVEY

TreeMinder™ organizes data by Clients and then by Projects, where a project might be an area, a particular contract or simply a sub-category such as Schools or Cemeteries.

From the Home page, select Surveys to get this screen:

Click here to enter a new client.

Click here to add a new "project", edit or delete a current one.

4.1 Create a New Client
Click on the Edit/New Client button and add the details.

4.2 Add a New Project
Click on the Edit/New Project button and add the details.

4.3 Choose the Survey Type
Select the client and the project, then click on the appropriate Survey Type button.

4.4 Enter Survey Data
Use the Survey Data Entry forms to add details about each tree in turn.

4.4.1 General information - applicable to all survey types
The following points apply to all surveys:

In each type of survey, the information is divided into at least two sections – the first relating to tree details that are unlikely to change, and the second to the actual survey data.

If a record already exists for a tree, select the Number from the Identifier drop-down list. If it is a new tree, enter the Tree Identifier, type, species etc. Any comments will appear in the tree assessment report.

If this is the first time that the tree has been surveyed, simply enter the tree data and click on Save.

Tree ID's can be changed by clicking on the Rename button.

To view a previous assessment, select it from the drop-down list that will be shown (if any exist). If this is a new assessment, click on the New Assessment button.

4.4.2 Work recommendations - applicable to all survey types

Work recommendations consist of a primary action eg "Remove" and a secondary action eg "Ivy" or "Major dead wood". This structure keeps the lists down to a manageable level and facilitates their use with mobile data capture devices.

Click on the Work Items tab to get this screen:

Work recommendations consist of a primary action eg "Remove" and a secondary action eg "Ivy" or "Major dead wood". This structure keeps the lists down to a manageable level and facilitates their use with mobile data capture devices.

4.4.3 Linking to photographs - applicable to all survey types

If you wish to link one or more photographs to this tree inspection, click on the Images tab and then the Add Link button. Now browse to each picture in turn, saving the link each time.

4.4.4 Specific data - BS5837-Compliant Survey

This survey is designed to comply with the requirements of BS5837 that specifies the features that must be recorded when the tree is part of a development proposal. TreeMinder will automatically calculate Root Protection Areas and Radii from the Stem diameter.

The Root Protection Area is calculated automatically from the stem diameter(s) and takes into account whether or not the tree is multi-stemmed. The radius is also given to help define protective measures.

4.4.5 Specific data - General Tree Management Survey

This survey is designed to record the key attributes of a tree and will be the method used for the majority of tree surveys where there is no development activity. The intention is to strike a balance between speed of operation and recording key information.

The tree condition report is different to other surveys but is still mirrored in the mobile data capture device:

Observations from the tree inspection can be multi-selected – simply click on each item required. To de-select an item, click on it again.

5. WORK DONE

Each inspection may result in a list of work to be done. This facility lets you record work completed, so that at any time you can see at a glance what tasks are outstanding.

From the Home page, click on the Work Completed button to get this screen:

Select the Client, Project, Survey type and the tree. A list of work items and associated times will be shown – simply double-click on any work item to record that it has been completed. Operator names can be added from the drop-down list if required.

It is possible that work additional to that specified has been carried out, in which case record this in the "Extra Work" section, together with the hours taken.

6. REPORTS

From the Home Page, click on the Reports button to get this screen:

Select the Client and survey type and a list of Projects for that client will appear.

Select a single project, or several – hold down the keyboard Ctrl key and click on each desired project, or select them all by selecting the top one, hold the left mouse button down and drag down the list. All trees in the selected project(s) will then be listed together with their associated inspections.

Select the type of report you require and this will take you to the next screen where you can

Specify the content and order of presentation in the report.

Show the selected trees on a map. For this to work, each tree must have a set of valid co-ordinates and of course, a relevant map. Each project can be associated with one map and the link is established in Set Up, Clients and Projects, Edit/New Project. Provided these conditions are met, TreeMinder will launch MapLink which will display the selected trees on the map. The map can be saved and edited/printed using MapLink or PT-Mapper.

By selecting the appropriate choices, you can for example, print a report of just Year 1 trees, by project, in order of tree number and for work required between specified dates. Note however that all work items are shown for any tree that meets the selection criteria, for example if you choose *Remove :: Minor Dead Wood* then the report includes all the information for any tree that includes that work type in its work list.

If you do not wish your clients to see your time or cost estimates, simply switch them off.

Reports can be exported as a text .CSV file which can be opened in Excel.

Reports can be created as a .PDF file so that they can be emailed if desired. To create a PDF file, open the report and then click on the PDF or XPS button on the tool ribbon. You will then be prompted to choose a file name and location for the PDF.

6.1 BS5837 Surveys Specific Reports

6.1.1 BS 5837 Format Report
This report shows the important BS5837:2012 using terminology from the standard in a compact layout.

6.1.2 Site Visits and Trees Report
This report shows the history of site visits throughout the development cycle.

7. HELP

Please call Pear Technology for assistance or if you have any questions or suggestions to make regarding this program. We welcome all feedback – our aim is to meet our customers' needs!

Tel: 023 9249 9689
Email: Info@peartechnology.co.uk

Appendix A. IMPORTING DATA

TreeMinder has been designed to work in conjunction with the PocketGIS mobile data capture system, so data recorded in the field can be easily transferred into the database without the need for re-typing the information. Also, tree records from other copies of TreeMinder can be imported, as can surveys from other, non-Pear data sources.

All records for import must be in the comma separated text format .CSV. If you have data files in Excel XLS format, they can be converted by using the File, Save As facility in Excel to save as a .CSV file.

From the Home page of TreeMinder, click on the Import button to get this screen:

Specify the Surveyor from the drop-down list.

Specify the survey type.

Click on Get Survey File and specify the type of data that you wish to import:

Note: You can only import non-Pear surveys into the General Survey Scheme format.

Locate the file that you wish to import. This may have been "uploaded" from the PocketGIS system. The import data needs to be in text .CSV format. The list of surveyed trees will appear in the bottom section of the screen.

Specify the Client and the Project to which the data relates. If these have not yet been set up, click on the New Client, New Project buttons to enter the new details.

Are you adding a new record to an existing Tree? If this is a new survey for a tree that already has records in TreeMinder, click on the Identifier drop-down list to highlight the specific tree. Then click on the button "Add Survey to Selected Tree".

Adding tree records for the first time to a Project? Click Select All to select all the trees awaiting acceptance and click on the Do Multiple Import button.

See what has been imported? Select the Client/Project and click on the "Show Accepted Assessments" button.

Common problems that can affect data import:

Duplicate tree ID's.
Missing tree ID's.
The survey includes Tree Types / Species that are not recognized in the list held by TreeMinder.

Any trees presenting these problems will be passed by during import and a list summarizing the problems will be presented. The data file can be corrected or completed in Excel and those trees then added to the project using the Import facility. If problems persist, please contact Pear Technology.

INDEX