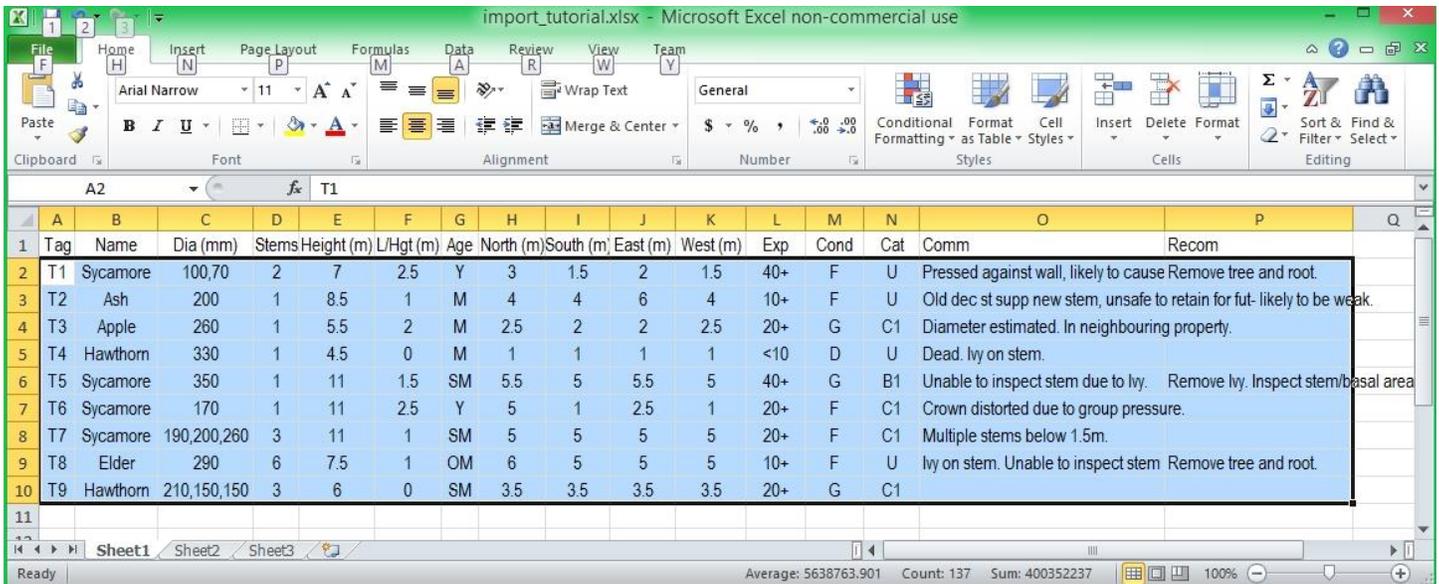


Importing Survey Data from Excel, Notepad etc

This example uses a typical small tree survey.

Ensure the BS5837 template is first in place within Axciscape by either loading the BS5837 Demo or loading the demo template.

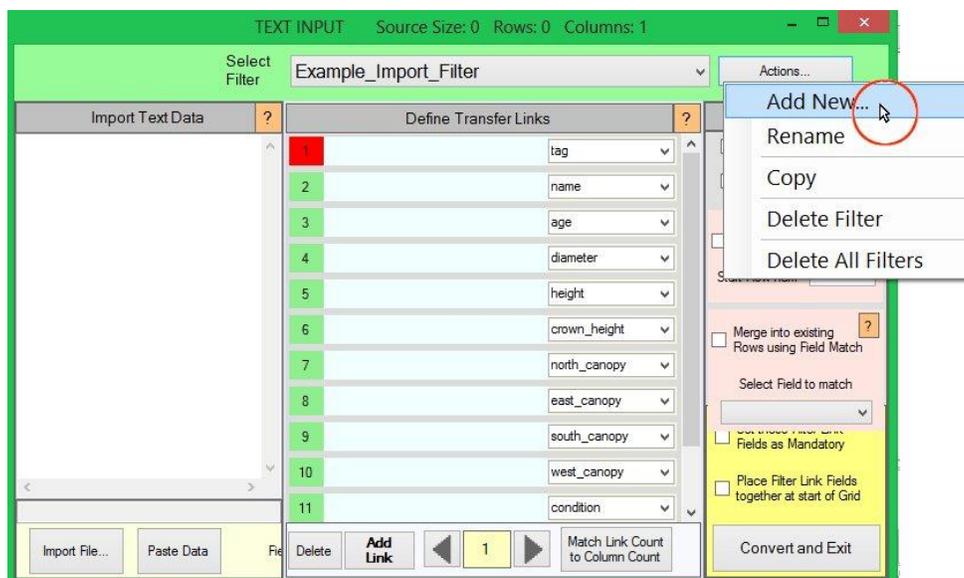
My survey is shown in Excel below. I start by selecting the columns and rows I wish to import and then select Copy.



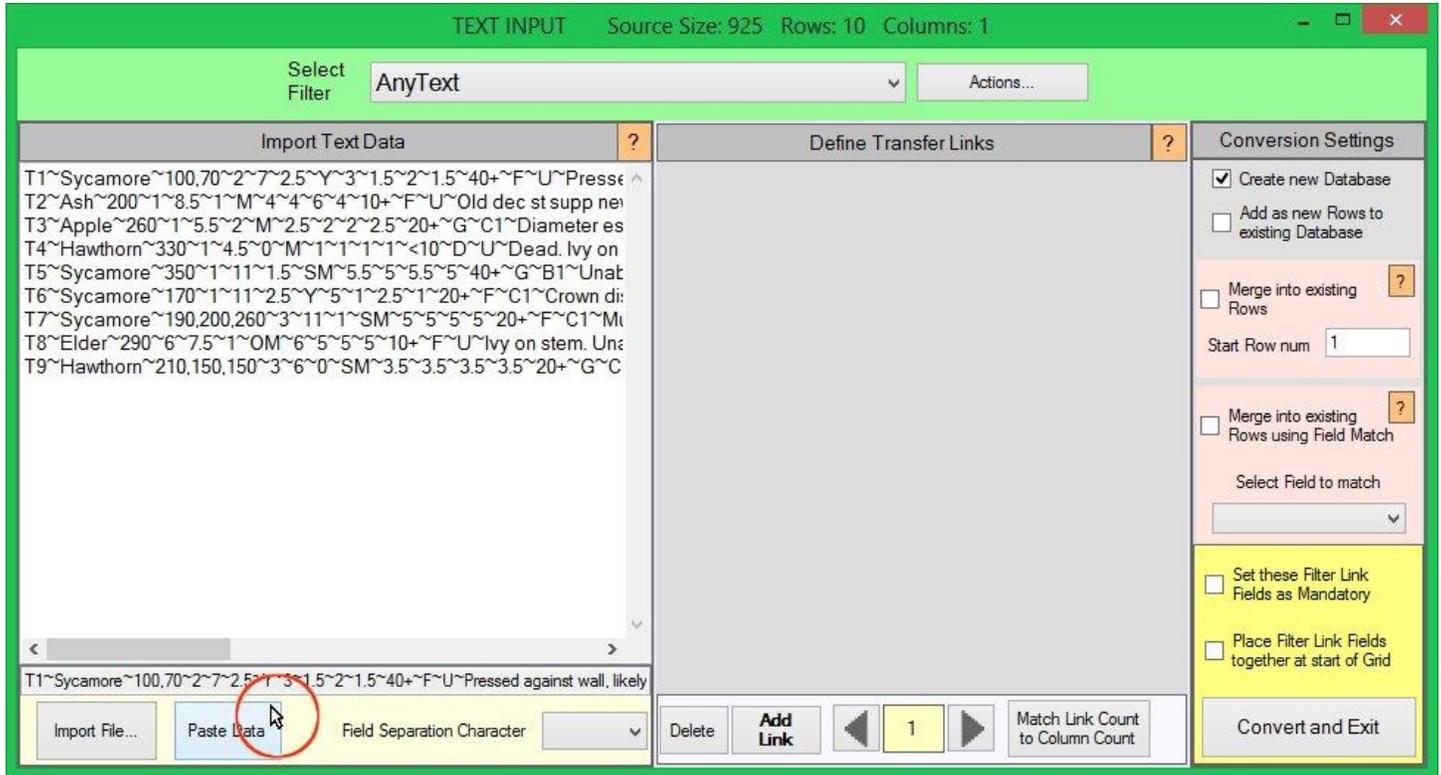
Tag	Name	Dia (mm)	Stems	Height (m)	L/Hgt (m)	Age	North (m)	South (m)	East (m)	West (m)	Exp	Cond	Cat	Comm	Recom
T1	Sycamore	100,70	2	7	2.5	Y	3	1.5	2	1.5	40+	F	U	Pressed against wall, likely to cause	Remove tree and root.
T2	Ash	200	1	8.5	1	M	4	4	6	4	10+	F	U	Old dec st supp new stem, unsafe to retain for fut- likely to be weak.	
T3	Apple	260	1	5.5	2	M	2.5	2	2	2.5	20+	G	C1	Diameter estimated. In neighbouring property.	
T4	Hawthorn	330	1	4.5	0	M	1	1	1	1	<10	D	U	Dead. Ivy on stem.	
T5	Sycamore	350	1	11	1.5	SM	5.5	5	5.5	5	40+	G	B1	Unable to inspect stem due to ivy. Remove ivy. Inspect stem/basal area	
T6	Sycamore	170	1	11	2.5	Y	5	1	2.5	1	20+	F	C1	Crown distorted due to group pressure.	
T7	Sycamore	190,200,260	3	11	1	SM	5	5	5	5	20+	F	C1	Multiple stems below 1.5m.	
T8	Elder	290	6	7.5	1	OM	6	5	5	5	10+	F	U	Ivy on stem. Unable to inspect stem	Remove tree and root.
T9	Hawthorn	210,150,150	3	6	0	SM	3.5	3.5	3.5	3.5	20+	G	C1		

Now go to Axciscape and click on the I/O icon top left. Select the Import tab and click on Import Text. The Import window opens; probably with an example filter in place.

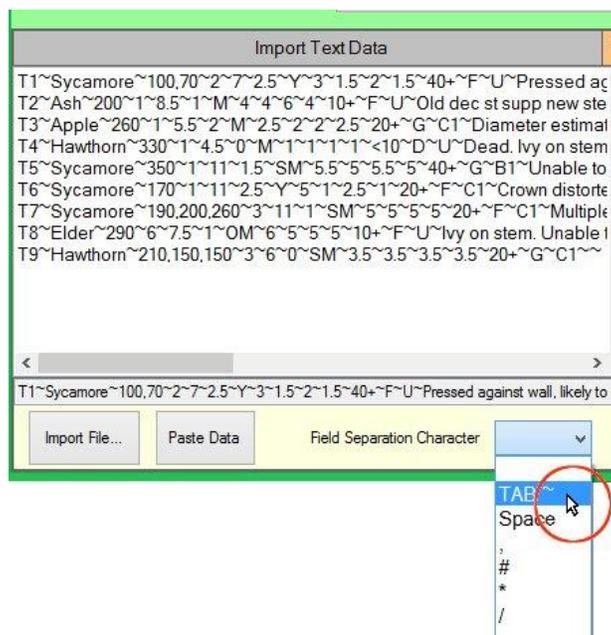
Click the Actions button and select Add New filter as below. When prompted add the name for the filter. I have called mine AnyText!



Ensure you have copied the selected data from Excel and click on the Paste button (below). The text will appear in the source window. Excel uses Tabs to separate column data and these are always shown as a ~ symbol.



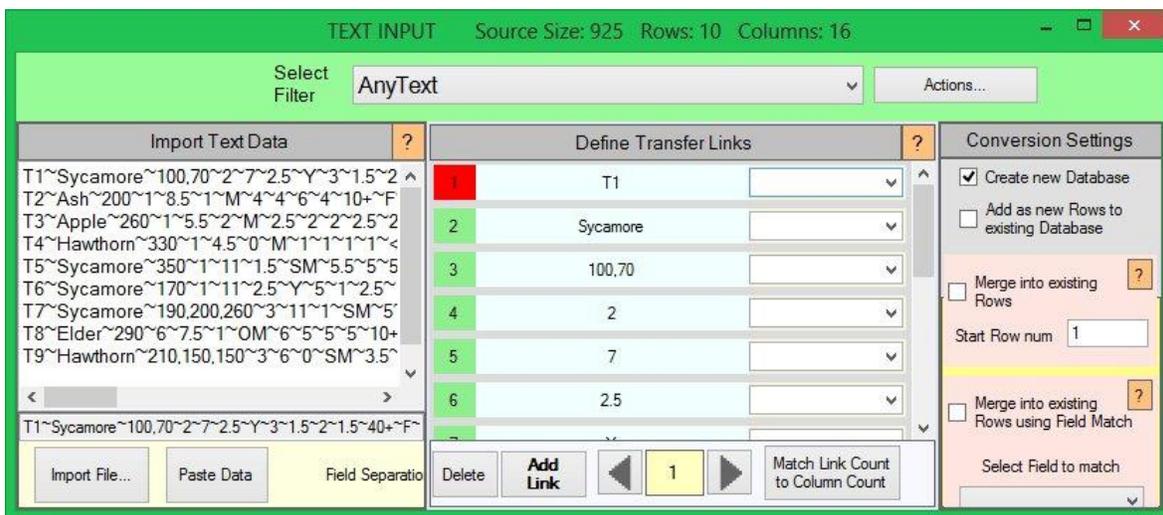
I must now tell the program what character is used to separate the text. So I select TAB from the drop list (below).



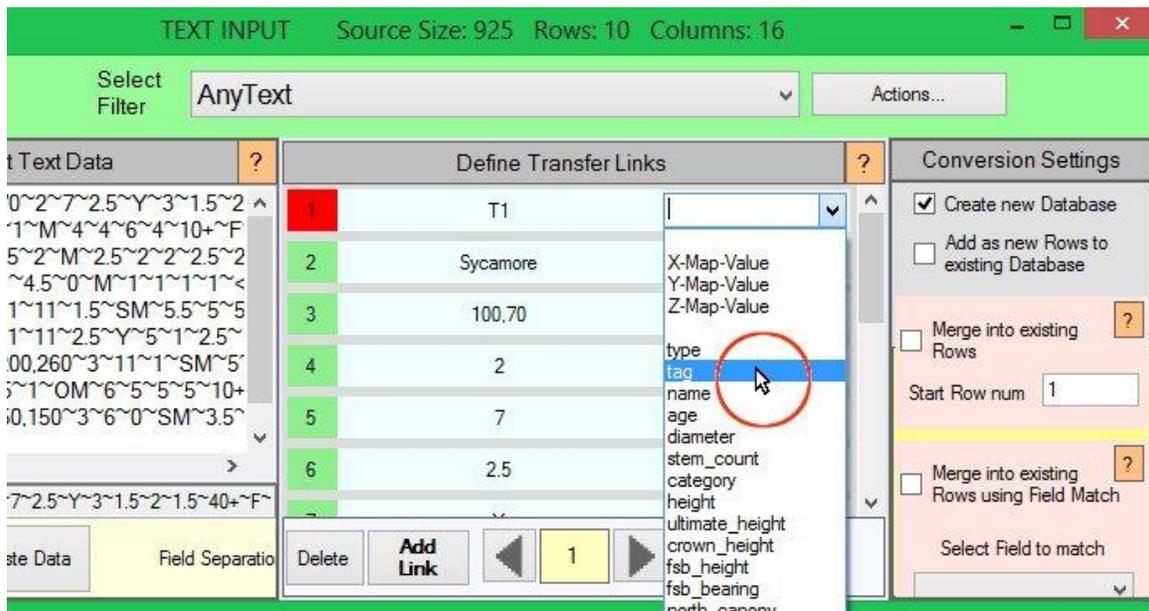
The program now knows how many columns there will be per row so I can use the Match Fields button (see below) to install the same number of Transfer Links.



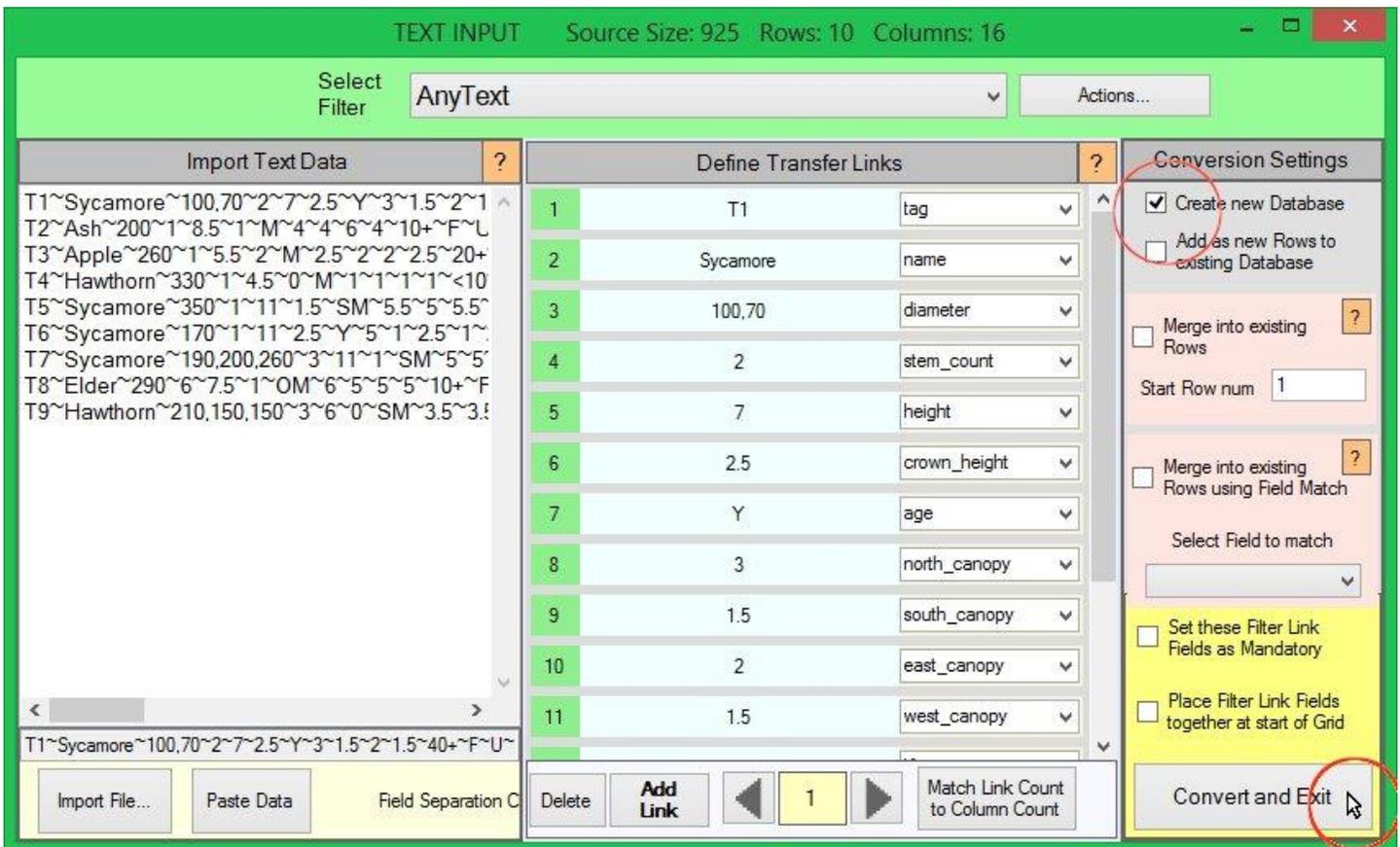
The transfer links appear with the text input divided up into columns.



It's now a case of selecting the Axciscape target field data for each text item. Do this by selecting from each link drop down menu (see below).



Do this for all links. Obviously your own data will probably appear in a different order. If you don't want to import a particular item just leave the box blank. You should end up as the following.



The screenshot shows the 'TEXT INPUT' application window with the following components:

- Header:** TEXT INPUT | Source Size: 925 | Rows: 10 | Columns: 16
- Filter:** Select Filter: AnyText
- Import Text Data:** A list of 10 rows of text data, including species names and numerical values.
- Define Transfer Links:** A table mapping row numbers to field names:

Row	Field Name	Field Type
1	T1	tag
2	Sycamore	name
3	100.70	diameter
4	2	stem_count
5	7	height
6	2.5	crown_height
7	Y	age
8	3	north_canopy
9	1.5	south_canopy
10	2	east_canopy
11	1.5	west_canopy
- Conversion Settings:**
 - Create new Database (circled in red)
 - Add as new Rows to existing Database
 - Merge into existing Rows
 - Merge into existing Rows using Field Match
 - Start Row num: 1
 - Set these Filter Link Fields as Mandatory
 - Place Filter Link Fields together at start of Grid
- Buttons:** Import File..., Paste Data, Field Separation C, Delete, Add Link, 1, Match Link Count to Column Count, Convert and Exit (circled in red).

I want to create a new database from the data so I have circled the tick box above. When ready click Convert.



The dialog box contains the following text:

Import Filter Changes Found

You have made changes to the Filter file.

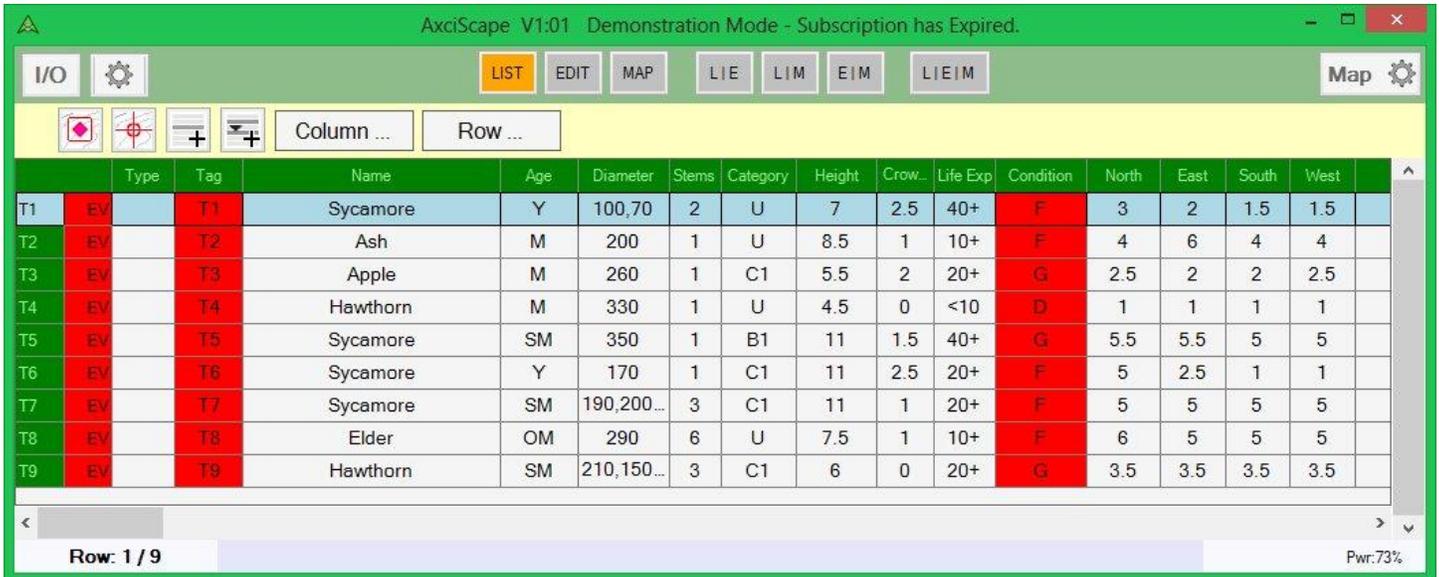
Select YES to Quit and update the file so these changes are usable again.

Select NO to Quit and ignore the changes.

Buttons: Yes (circled in red), No, Cancel

Click Yes to keep your changes if you intend to use the filter again in the future.

On returning to the Axciscape List screen I have some errors!



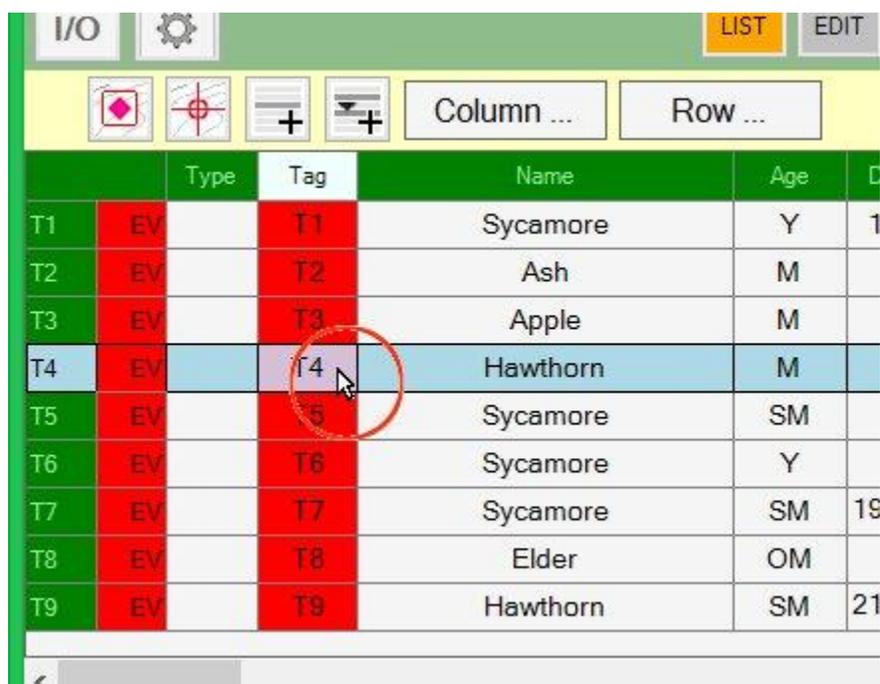
	Type	Tag	Name	Age	Diameter	Stems	Category	Height	Crow...	Life Exp	Condition	North	East	South	West
T1	EV	T1	Sycamore	Y	100,70	2	U	7	2.5	40+	F	3	2	1.5	1.5
T2	EV	T2	Ash	M	200	1	U	8.5	1	10+	F	4	6	4	4
T3	EV	T3	Apple	M	260	1	C1	5.5	2	20+	G	2.5	2	2	2.5
T4	EV	T4	Hawthorn	M	330	1	U	4.5	0	<10	D	1	1	1	1
T5	EV	T5	Sycamore	SM	350	1	B1	11	1.5	40+	G	5.5	5.5	5	5
T6	EV	T6	Sycamore	Y	170	1	C1	11	2.5	20+	F	5	2.5	1	1
T7	EV	T7	Sycamore	SM	190,200...	3	C1	11	1	20+	F	5	5	5	5
T8	EV	T8	Elder	OM	290	6	U	7.5	1	10+	F	6	5	5	5
T9	EV	T9	Hawthorn	SM	210,150...	3	C1	6	0	20+	G	3.5	3.5	3.5	3.5

Row: 1 / 9 Pwr:73%

The Tag field expects a pure number without the T. The type (T) needs to be in the type field. Also the import data has its condition data as just 1 character while the template wants the full word.

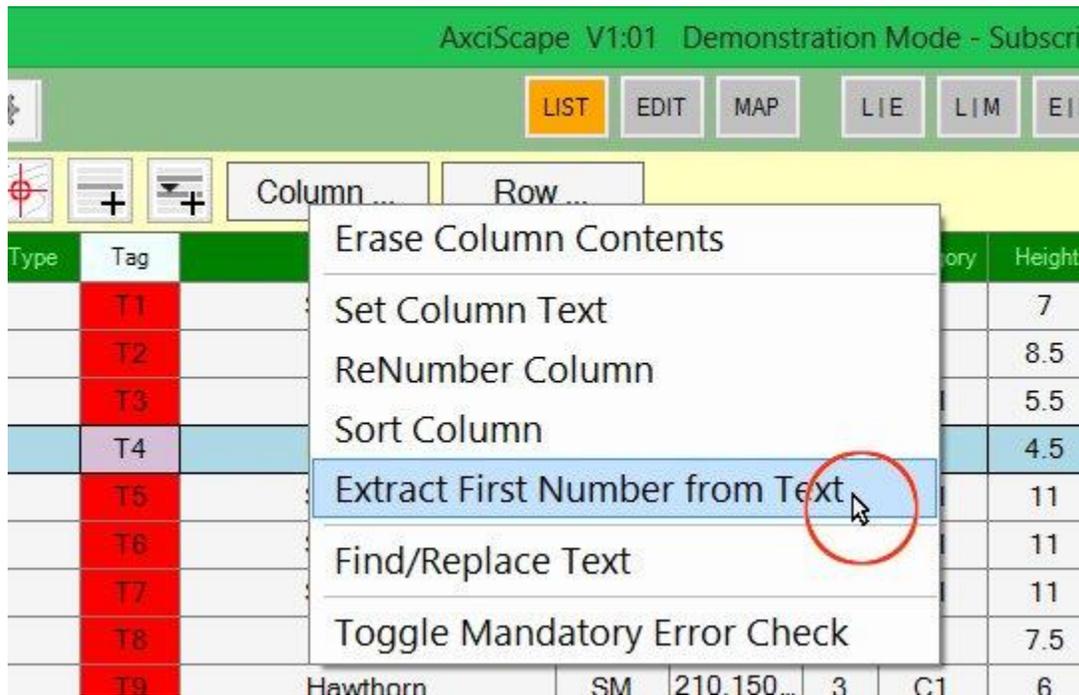
Let's deal with the Tag error first. Axciscape has a function to extract a number from text so I will use this to get rid of the T.

First highlight the tag column by clicking anywhere on it (as below). The header should turn white.



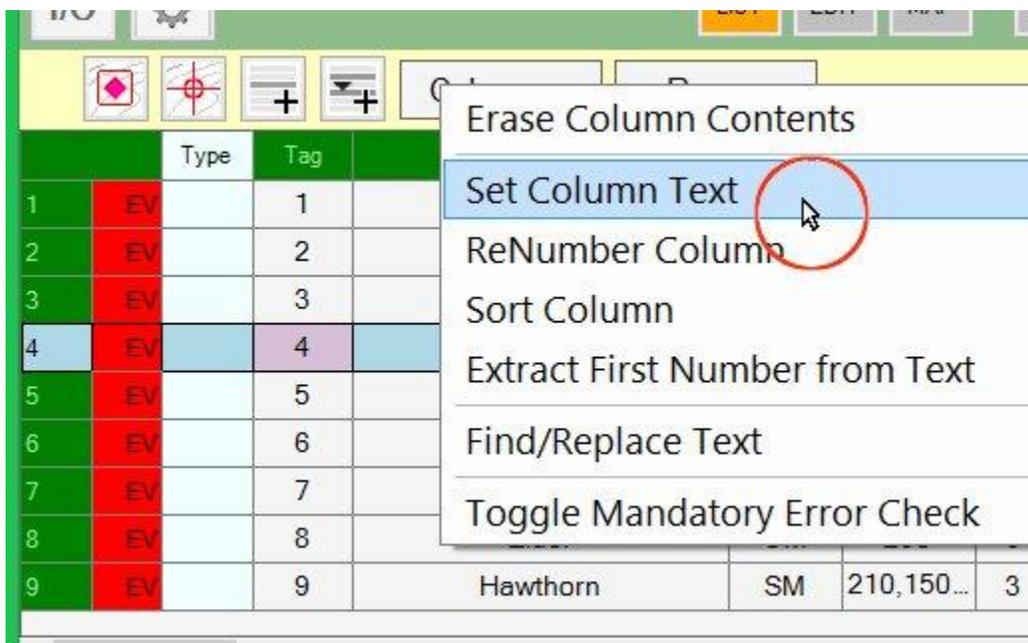
	Type	Tag	Name	Age	D
T1	EV	T1	Sycamore	Y	1
T2	EV	T2	Ash	M	
T3	EV	T3	Apple	M	
T4	EV	T4	Hawthorn	M	
T5	EV	T5	Sycamore	SM	
T6	EV	T6	Sycamore	Y	
T7	EV	T7	Sycamore	SM	19
T8	EV	T8	Elder	OM	
T9	EV	T9	Hawthorn	SM	21

Now select the Column... button and click on Extract First Number.



The numbers will appear and errors will disappear!

I now want to put a T in every Type field. So click on the Type column and from the Column... list select Set Column Text.



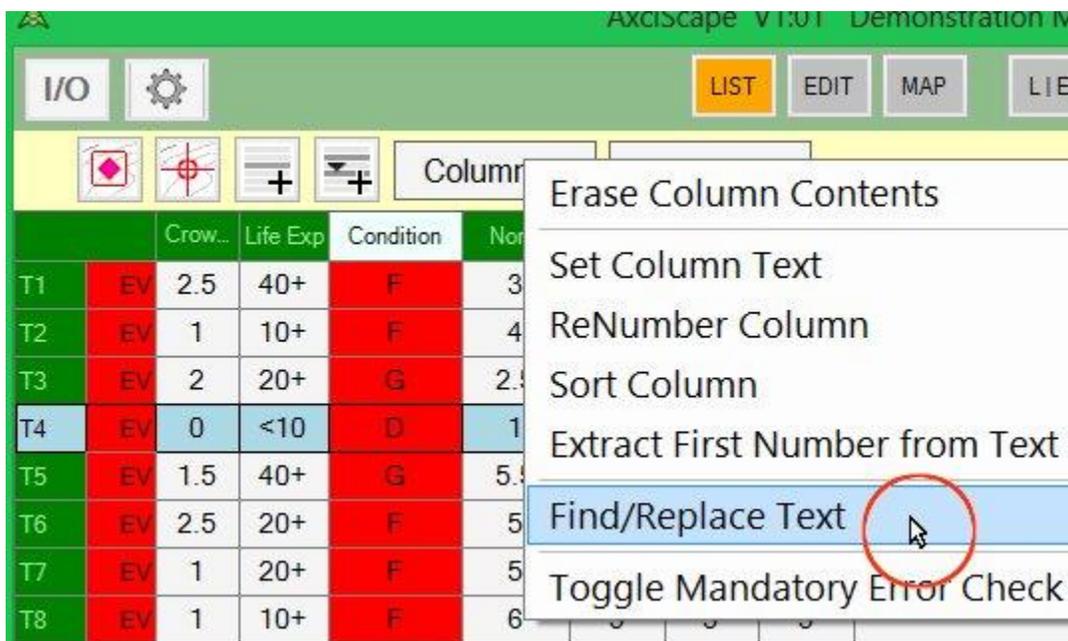
Enter a T and the data will be written to all lines of Type.

Now for the Condition errors.

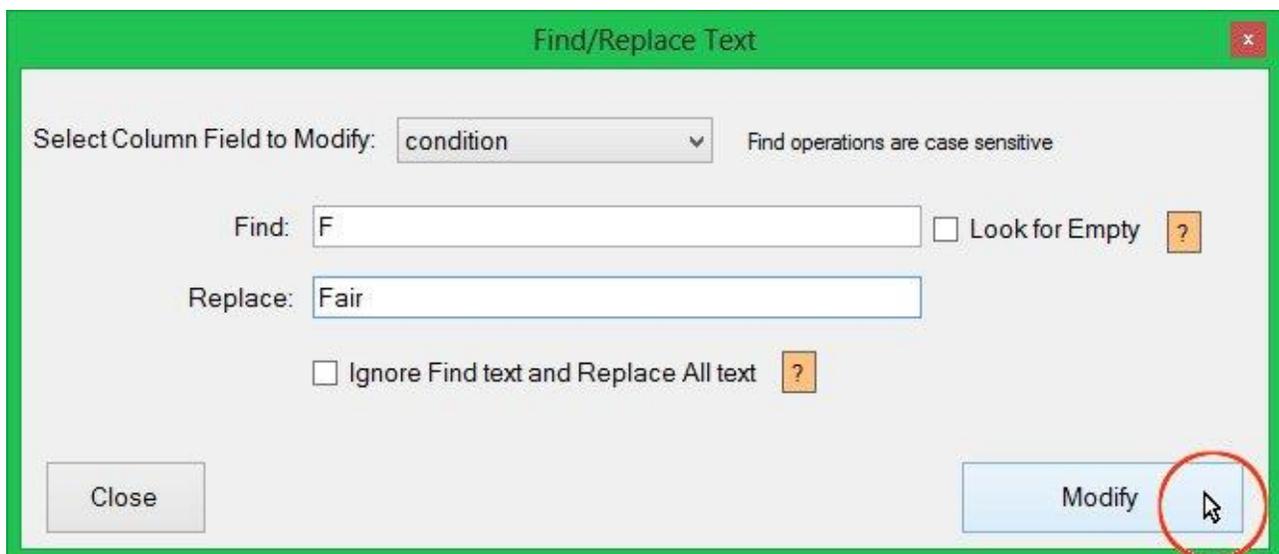
I could solve this by entering just a single character into the existing Field drop menu so it gives me the option of select for example F or FAIR. Or I could replace all F's with Fail, all D for Dead etc.

I will do the latter as I would rather have only the full word in the drop list and in future will use the full word in my surveys so that it doesn't happen again!

So I select the Condition column and click the Column... button to access the Find/Replace window.



Enter the appropriate text and repeat for all other items.



And it's finished.

The v at the start of each row is telling me that it has no vertices (XYZ map data). This is because they have not been plotted onto the map.

Axciscape V1:01 Demonstration Mode - Subscription has Expired.

I/O [LIST] [EDIT] [MAP] [LIE] [LIM] [EIM] [LIEIM] Map [Settings]

Column ... Row ...

	Type	Tag	Name	Age	Diameter	Stems	Category	Height	Crow...	Life Exp	Condition	North	East	South	West	
T1	V	T	1	Sycamore	Y	100,70	2	U	7	2.5	40+	Fair	3	2	1.5	1.5
T2	V	T	2	Ash	M	200	1	U	8.5	1	10+	Fair	4	6	4	4
T3	V	T	3	Apple	M	260	1	C1	5.5	2	20+	Good	2.5	2	2	2.5
T4	V	T	4	Hawthorn	M	330	1	U	4.5	0	<10	Dead	1	1	1	1
T5	V	T	5	Sycamore	SM	350	1	B1	11	1.5	40+	Good	5.5	5.5	5	5
T6	V	T	6	Sycamore	Y	170	1	C1	11	2.5	20+	Fair	5	2.5	1	1
T7	V	T	7	Sycamore	SM	190,200...	3	C1	11	1	20+	Fair	5	5	5	5
T8	V	T	8	Elder	OM	290	6	U	7.5	1	10+	Fair	6	5	5	5
T9	V	T	9	Hawthorn	SM	210,150...	3	C1	6	0	20+	Good	3.5	3.5	3.5	3.5

Row: 3 / 9 Pwr:73%