POCKETGIS USER GUIDE
ANDROID VERSION

V1.2

1.Starting and stopping PocketGIS

2. Main menu

3. Importing data

4. Moving around the map

5. Starting and stopping the GPS

6. Capturing survey data and cancelling a data capture

7. Switching between survey maps and selecting different survey types

8. Editing and making changes to surveyed items

9. Deleting surveyed items

10. Moving surveyed items

11. Finding surveyed items

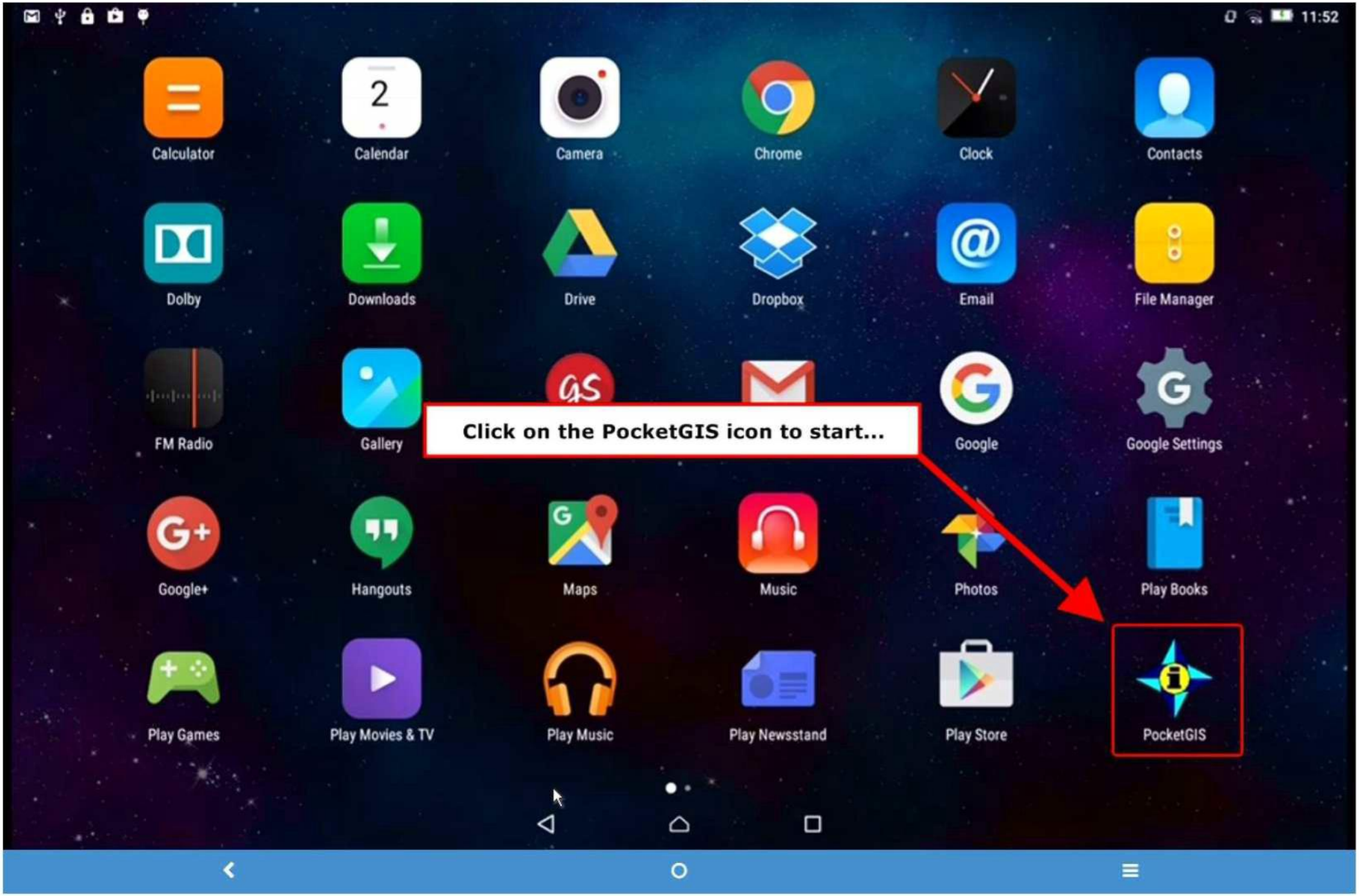
12. Exporting survey data

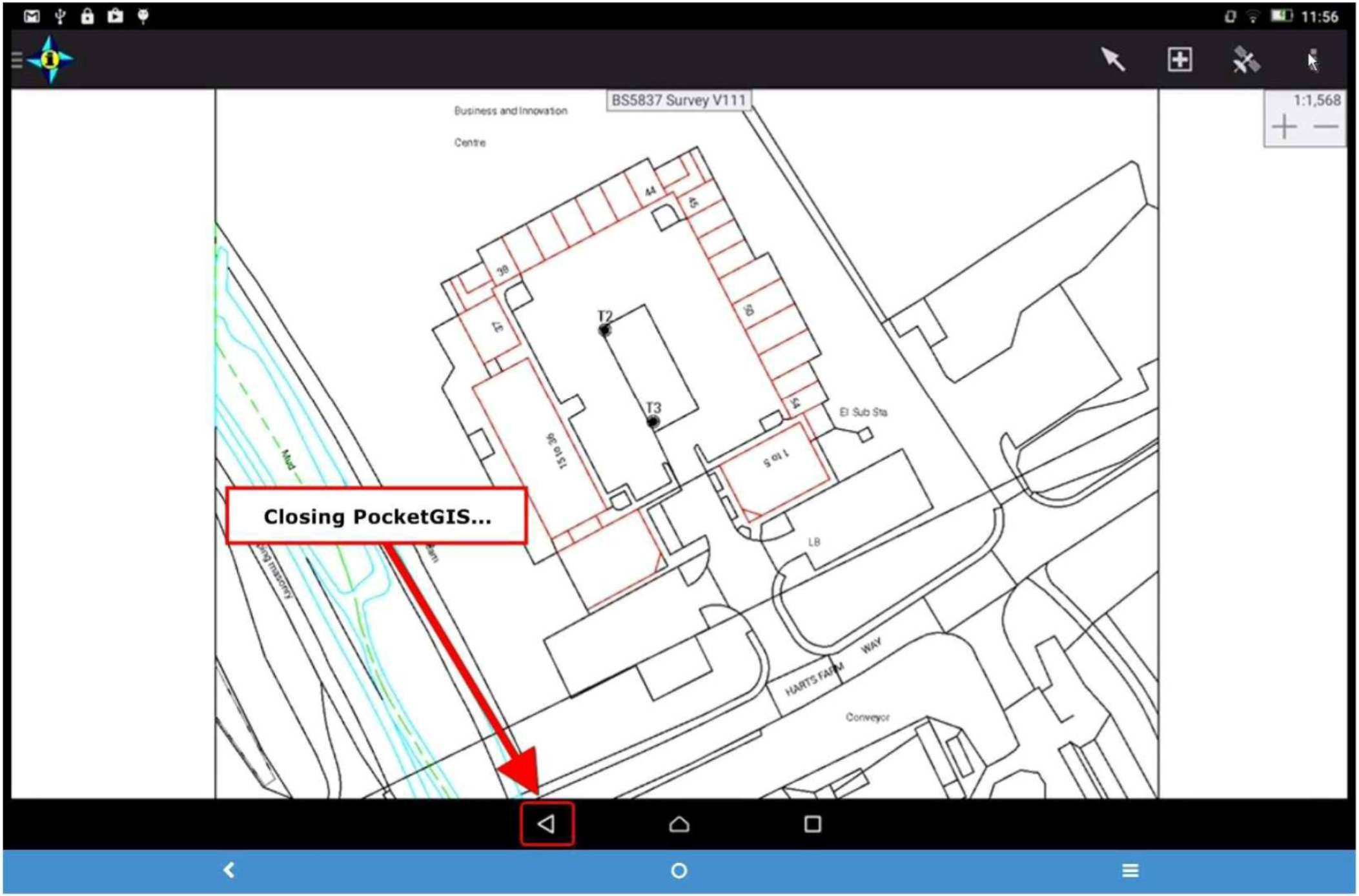
13. Finding a grid reference

14. Measuring distances

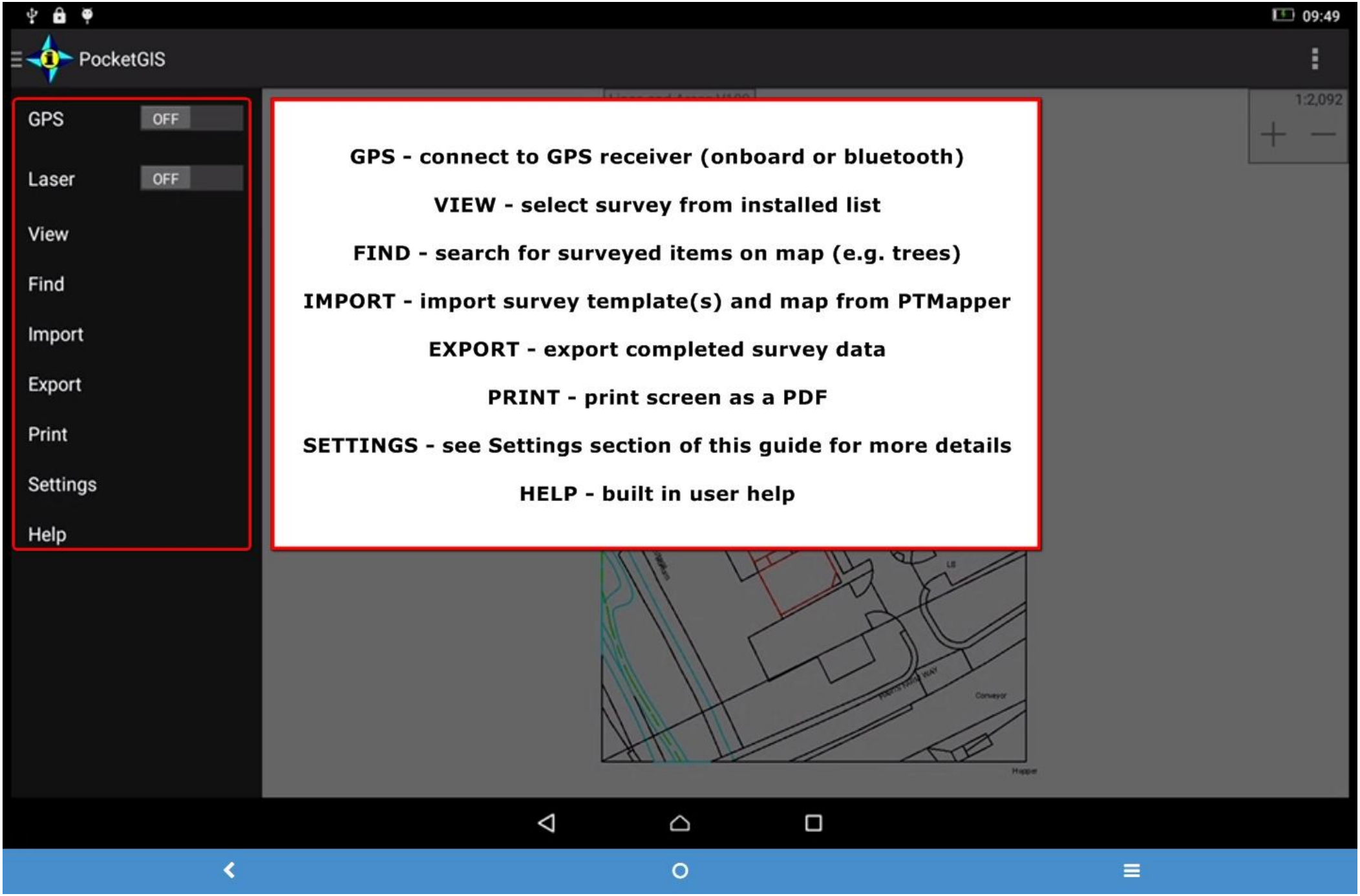
15. Checking for updates to PocketGIS

1.Starting and stopping PocketGIS

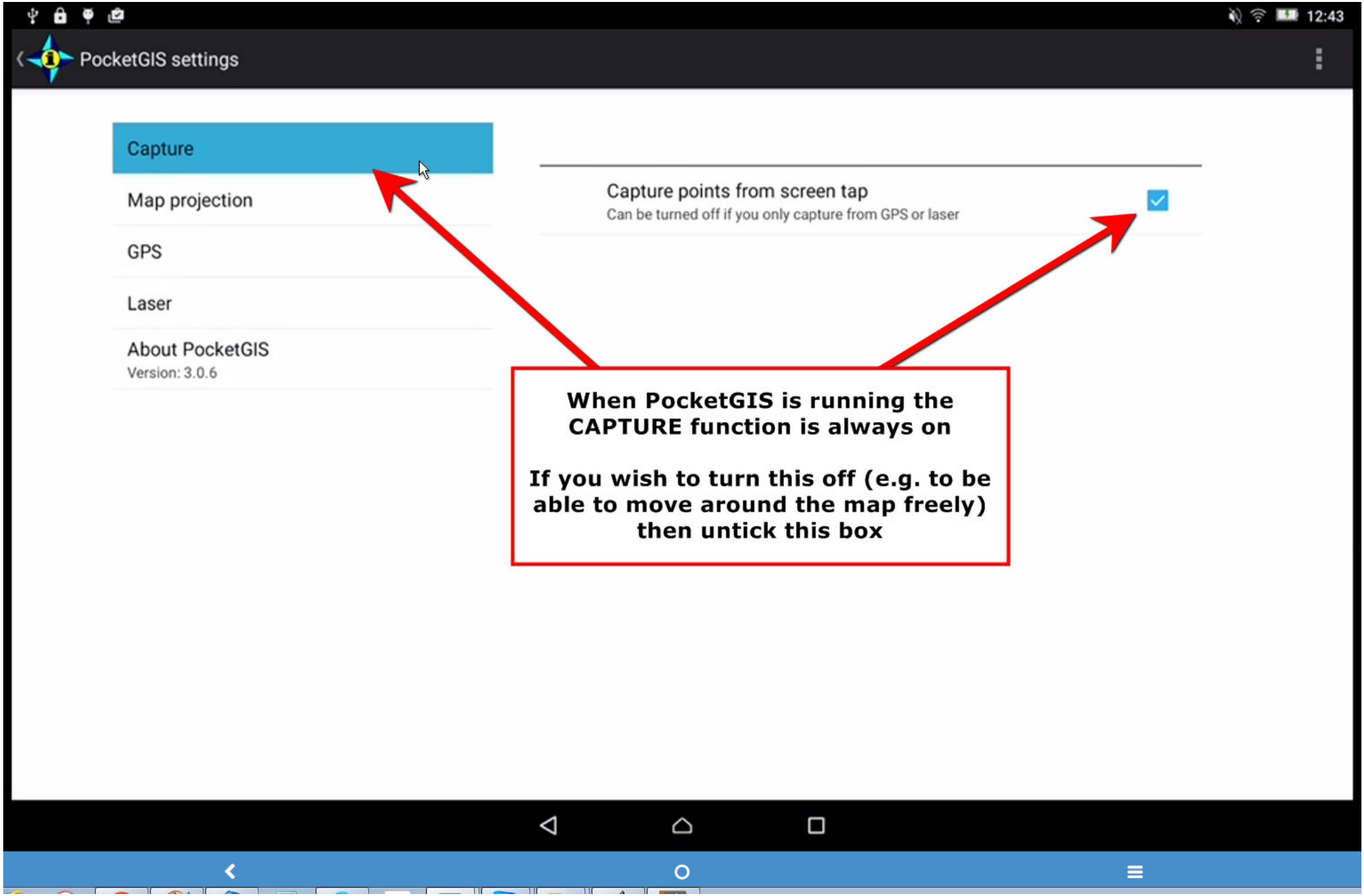


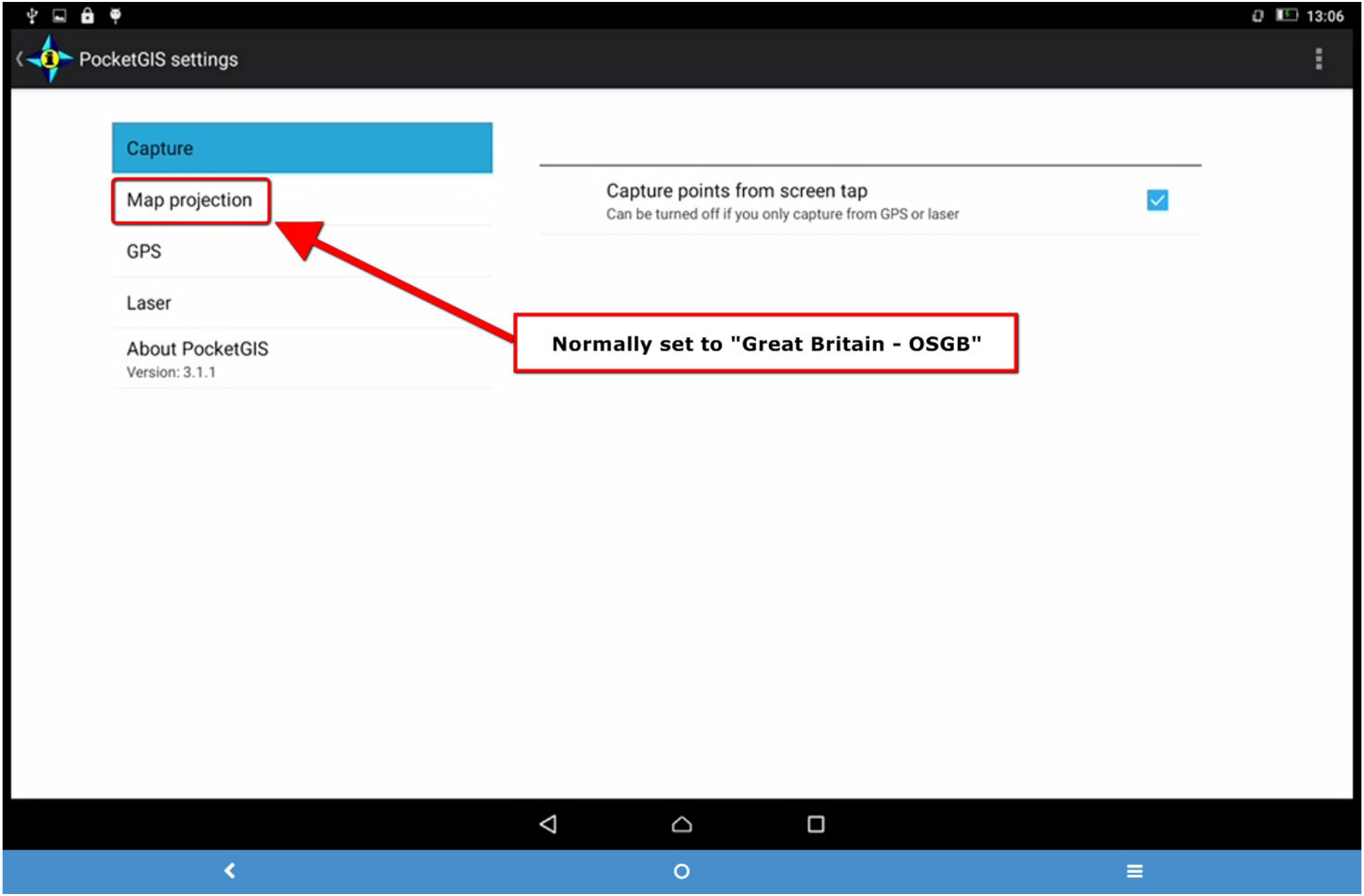

11:56
BS5837 Survey V111
1:1,568
Business and Innovation
Centre
T2
T3
El Sub Sta
LB
HARTS FARM
WAY
Conveyor
Mud
Closing PocketGIS...

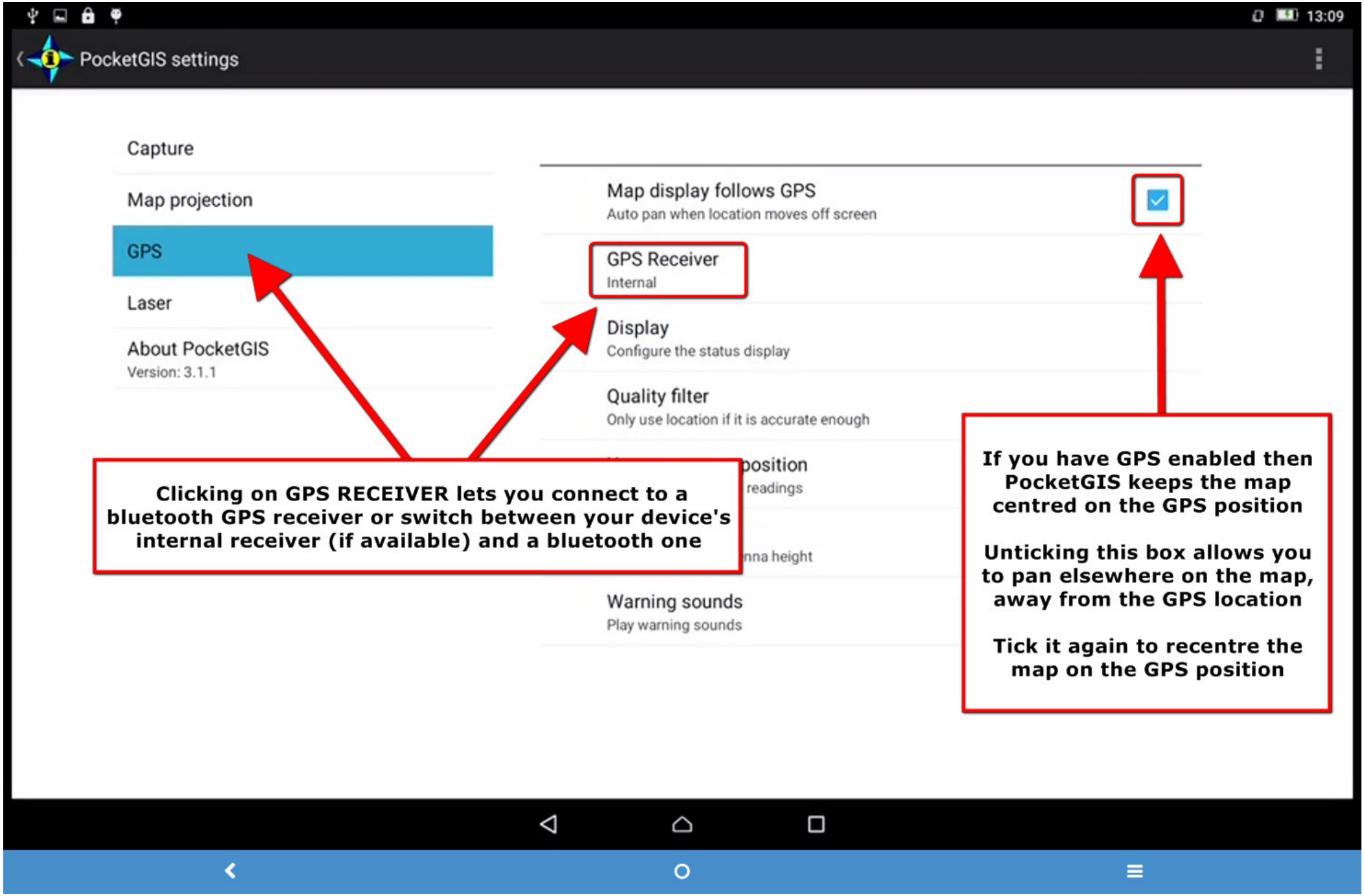
2. Main Menu

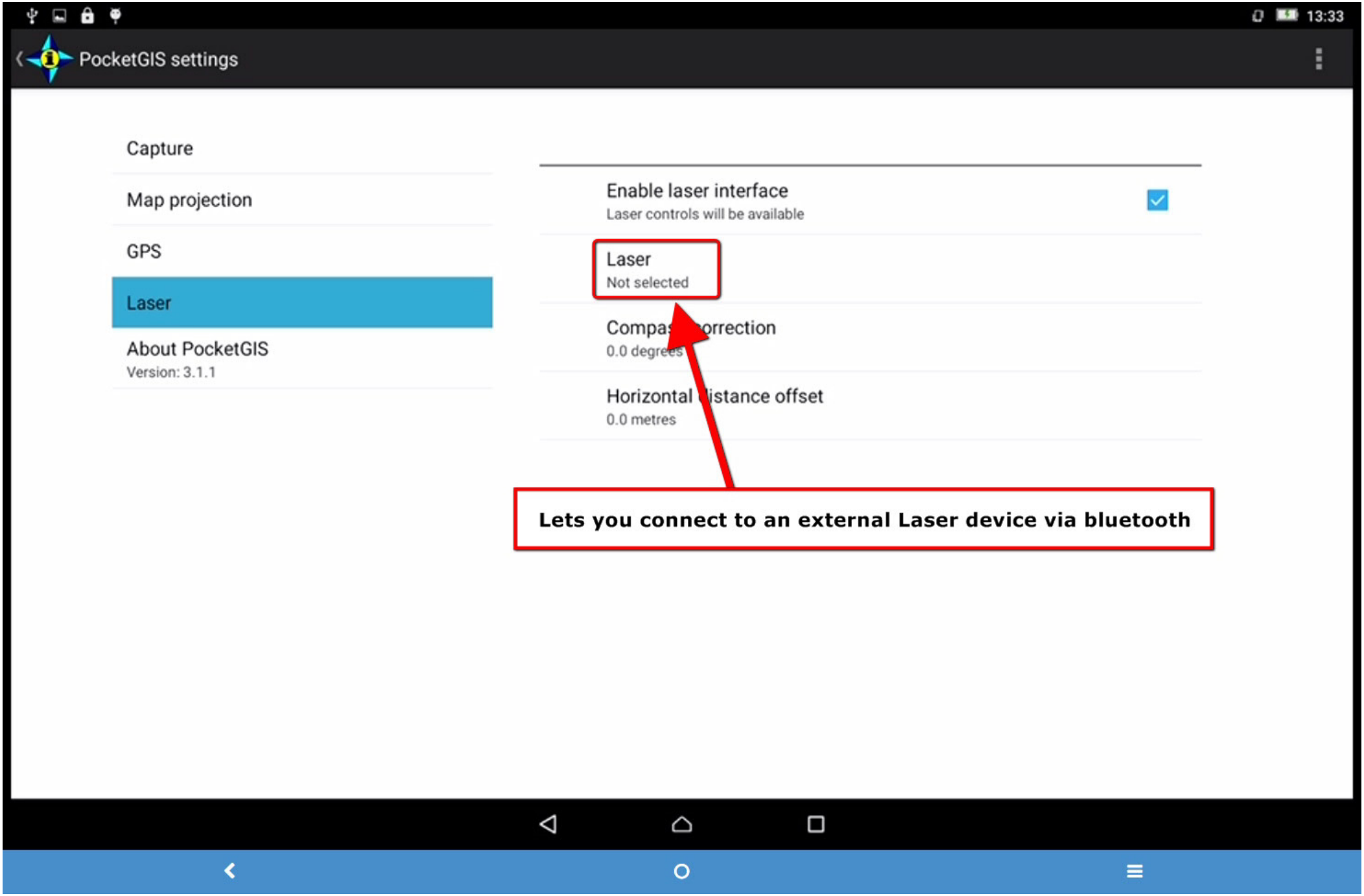

09:49
PocketGIS
GPS
OFF
Laser
OFF
View
Find
Import
Export
Print
Settings
Help
1:2,092
GPS - connect to GPS receiver (onboard or bluetooth)
VIEW - select survey from installed list
FIND - search for surveyed items on map (e.g. trees)
IMPORT - import survey template(s) and map from PTMapper
EXPORT - export completed survey data
PRINT - print screen as a PDF
SETTINGS - see Settings section of this guide for more details
HELP - built in user help

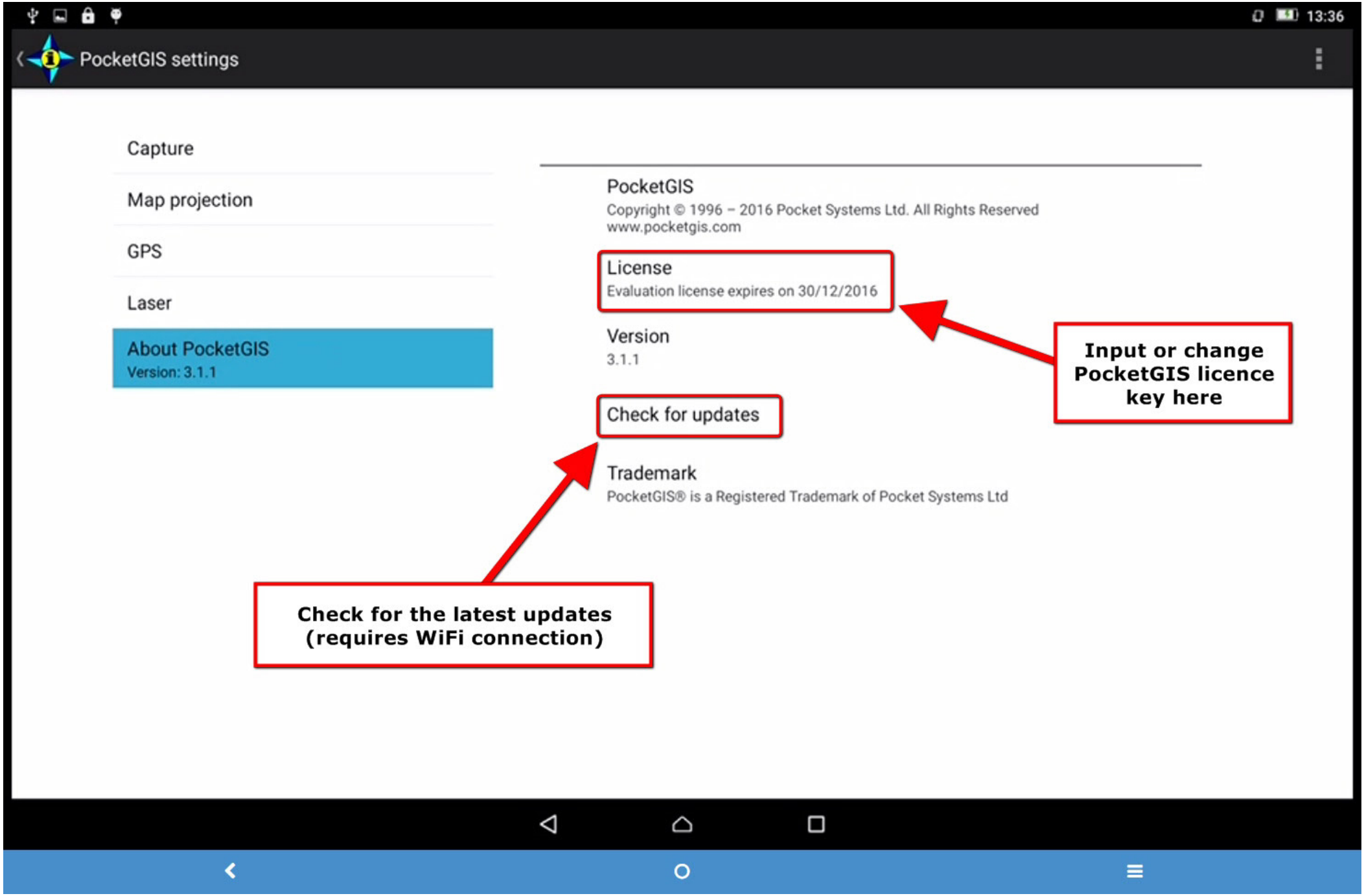
Settings


12:43
PocketGIS settings
Capture
Map projection
GPS
Laser
About PocketGIS
Version: 3.0.6
Capture points from screen tap
Can be turned off if you only capture from GPS or laser
When PocketGIS is running the CAPTURE function is always on
If you wish to turn this off (e.g. to be able to move around the map freely) then untick this box


13:06
PocketGIS settings
Capture
Map projection
GPS
Laser
About PocketGIS
Version: 3.1.1
Capture points from screen tap
Can be turned off if you only capture from GPS or laser
Normally set to "Great Britain - OSGB"


13:09
PocketGIS settings
Capture
Map projection
GPS
Laser
About PocketGIS
Version: 3.1.1
Map display follows GPS
Auto pan when location moves off screen
GPS Receiver
Internal
Display
Configure the status display
Quality filter
Only use location if it is accurate enough
position
readings
nna height
Warning sounds
Play warning sounds
Clicking on GPS RECEIVER lets you connect to a bluetooth GPS receiver or switch between your device's internal receiver (if available) and a bluetooth one
If you have GPS enabled then PocketGIS keeps the map centred on the GPS position
Unticking this box allows you to pan elsewhere on the map, away from the GPS location
Tick it again to recentre the map on the GPS position


13:33
PocketGIS settings
Capture
Map projection
GPS
Laser
About PocketGIS
Version: 3.1.1
Enable laser interface
Laser controls will be available
Laser
Not selected
Compas orrection
0.0 degrees
Horizontal istance offset
0.0 metres
Lets you connect to an external Laser device via bluetooth


13:36
PocketGIS settings
Capture
Map projection
GPS
Laser
About PocketGIS
Version: 3.1.1
PocketGIS
Copyright © 1996 – 2016 Pocket Systems Ltd. All Rights Reserved
www.pocketgis.com
License
Evaluation license expires on 30/12/2016
Version
3.1.1
Check for updates
Trademark
PocketGIS® is a Registered Trademark of Pocket Systems Ltd
Input or change PocketGIS licence key here
Check for the latest updates (requires WiFi connection)

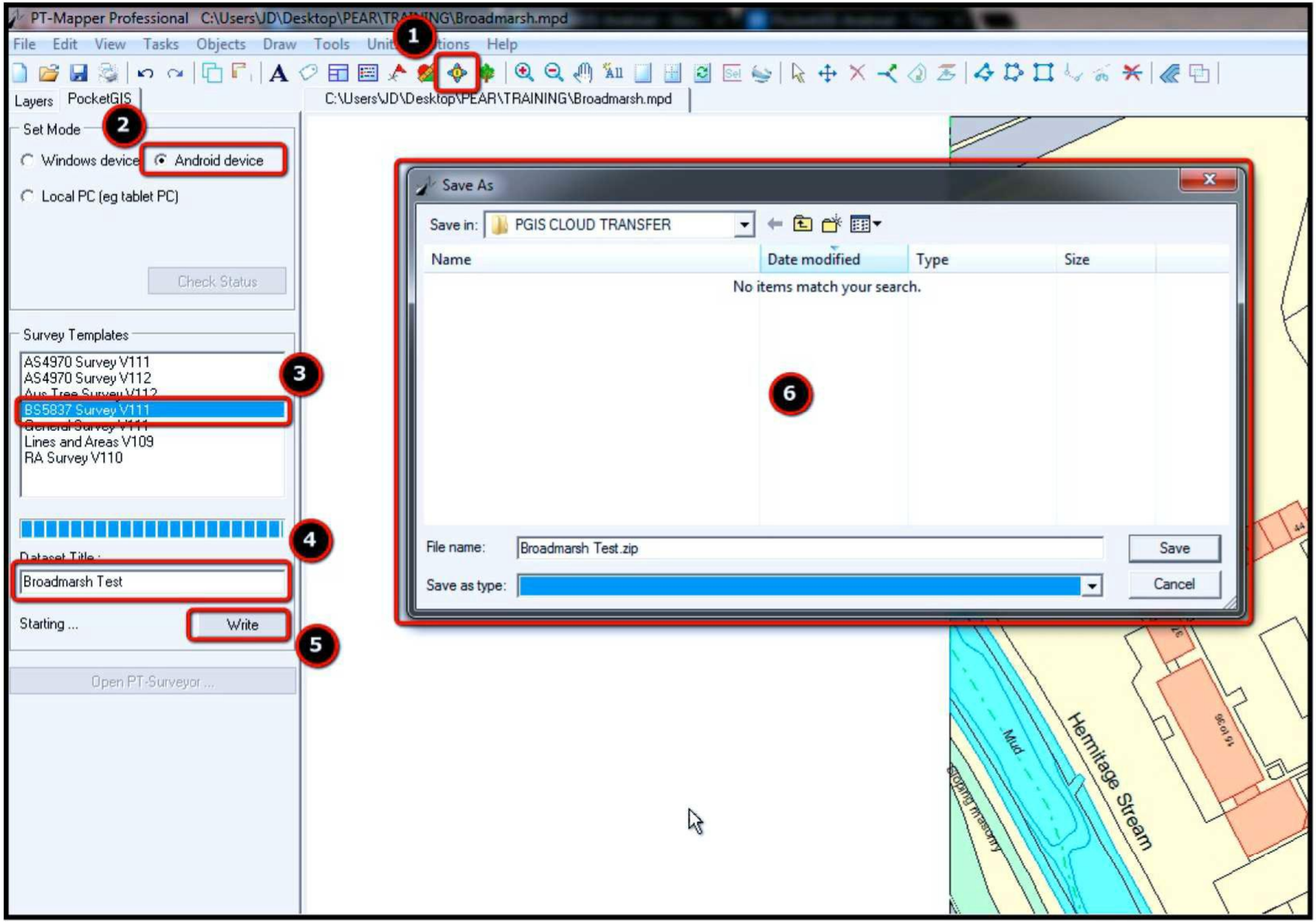
3. Importing data

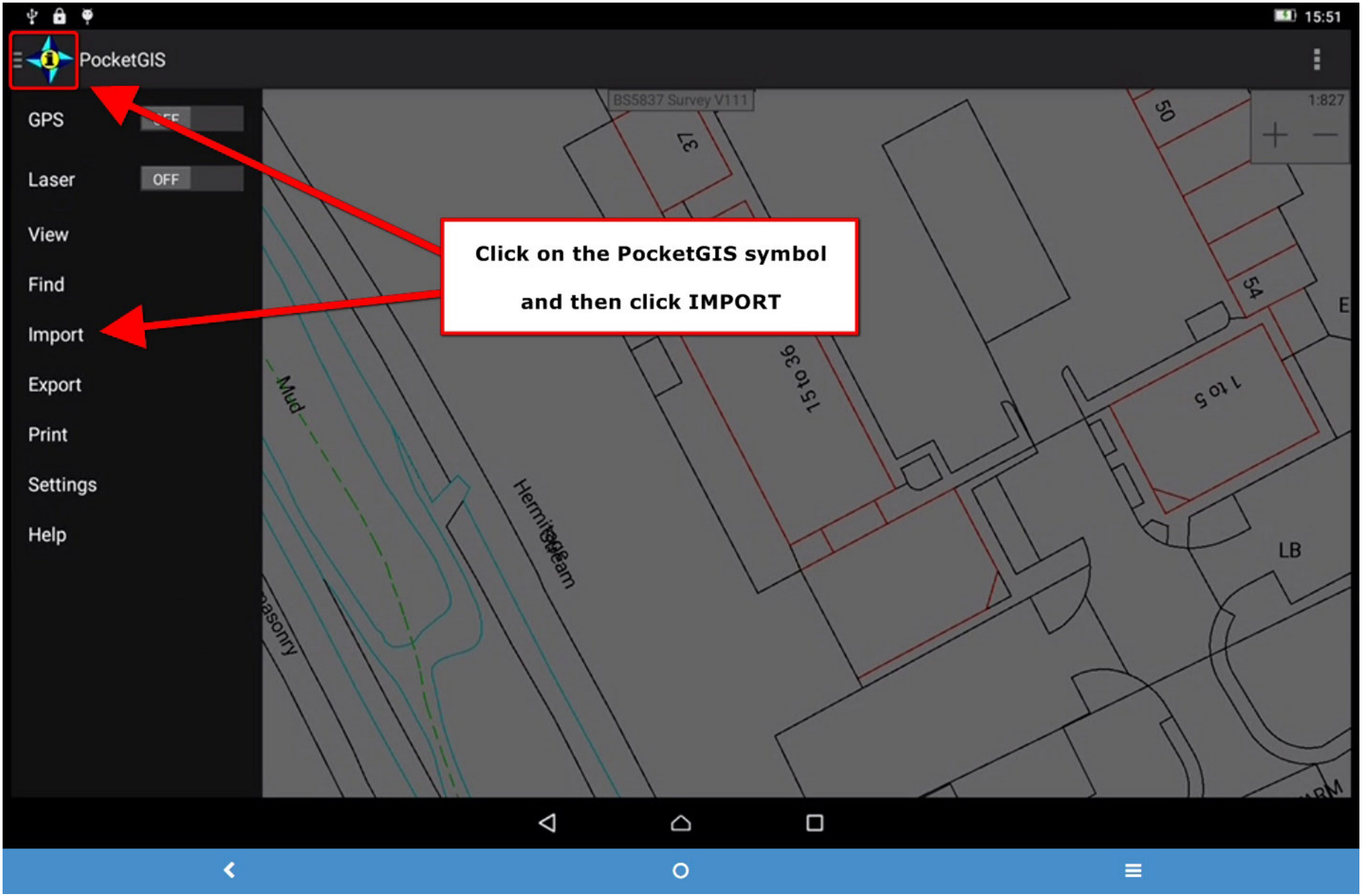
SETTING UP YOUR SURVEY IN PTMAPPER PRO AND EXPORTING IT TO DROPBOX

Before you can set up a map and survey template in PocketGIS you must first create the data from PTMapper Pro.
To do this, open PTMapper Pro and then open the map that you will be using to do the survey.

Next you must set up the map and survey ready to transfer to PocketGIS.
To do this follow the points listed below while referring to the numbered points on the screenshot on the next page:

1. Click on the PocketGIS button
2. Select "Android device"
3. Select the survey type (you can select more than one survey if required. Hold down a CONTROL key and select each survey type that you plan to use on this map)
4. Name the survey (try not to make this too long and avoid using punctuation e.g. full stops)
5. Click "Write"
6. Select the Dropbox folder to save the data


PT-Mapper Professional C:\Users\JD\Desktop\PEAR\TRAINING\Broadmarsh.mpd
File Edit View Tasks Objects Draw Tools Units Options Help
Layers PocketGIS
C:\Users\JD\Desktop\PEAR\TRAINING\Broadmarsh.mpd
Set Mode
Windows device
Android device
Local PC (eg tablet PC)
Check Status
Survey Templates
AS4970 Survey V111
AS4970 Survey V112
Aus Tree Survey V112
BS5837 Survey V111
General Survey V111
Lines and Areas V109
RA Survey V110
Dataset Title :
Broadmarsh Test
Starting ...
Write
Open PT-Surveyor ...
1
2
3
4
5
6
Save As
Save in: PGIS CLOUD TRANSFER
Name
Date modified
Type
Size
No items match your search.
File name: Broadmarsh Test.zip
Save as type:
Save
Cancel
Mud
Hemitage Stream
Boating masonry


15:51
PocketGIS
GPS
Laser
OFF
View
Find
Import
Export
Print
Settings
Help
Click on the PocketGIS symbol
and then click IMPORT
BS5837 Survey V111
1:827
37
50
54
15 10 36
1 10 5
Mud
LB

IMPORTING & EXPORTING DATA

There are a number of ways of transferring files to and from your Android device - either to import the map and survey template in preparation for a survey or to export the completed survey data.

The example shown in this guide uses Dropbox, which is the recommended option. To use this method, you will need to install Dropbox on to both your PC/laptop **and** your Android device. Once you have installed Dropbox on your PC/laptop, start the program and follow the onscreen instructions to create a Dropbox account.

Next, install Dropbox on your Android device (normally available through the Google Play Store) and then sign in using the Dropbox account details that you created on your PC/laptop.

If you have purchased your hardware from Pear Technology then we would have installed Dropbox as part of the setup.

NOTE: If you are using Dropbox to transfer files.....remember to turn on WiFi on your Android device...!

Other methods of importing (and exporting) data include:

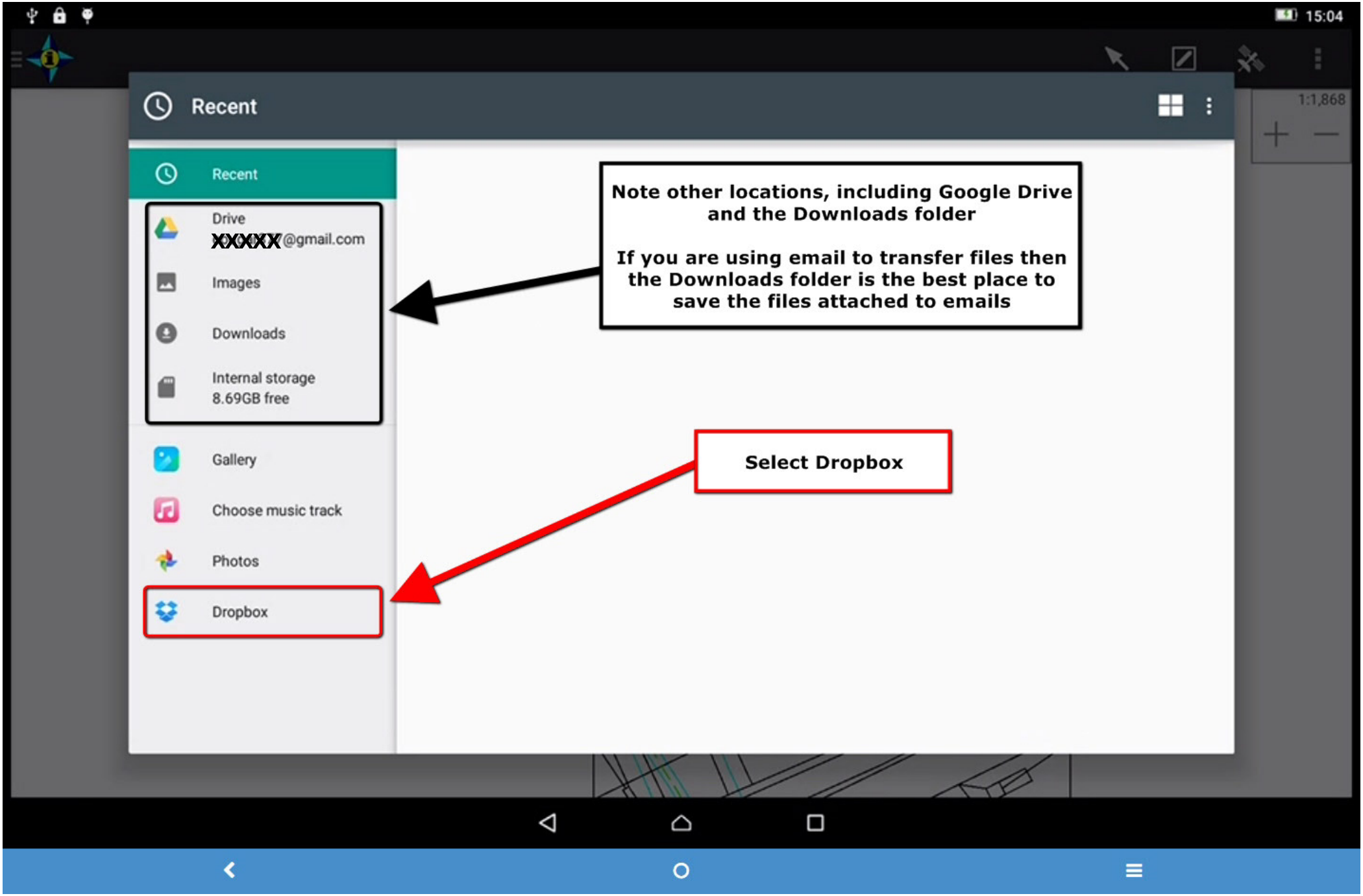
Google Drive (if you have a Gmail account then you will have a free Google Drive available for file storage)

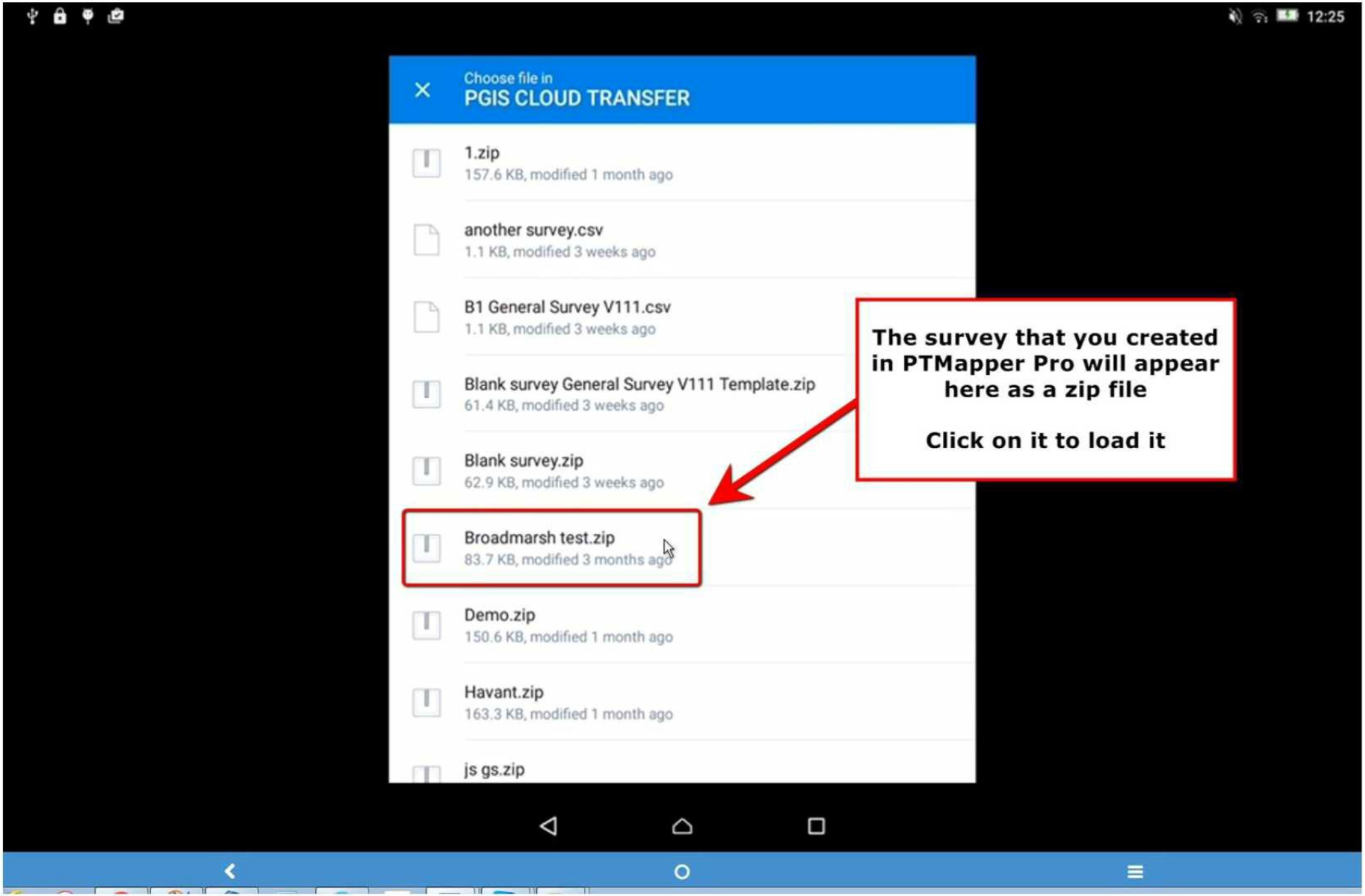
Gmail/email (the map and survey files created in PTMapper Pro (on your PC/laptop) and the completed survey files exported from PocketGIS (on your Android device) can all be included as attachments in emails and then emailed either to the device or to the PC/laptop.

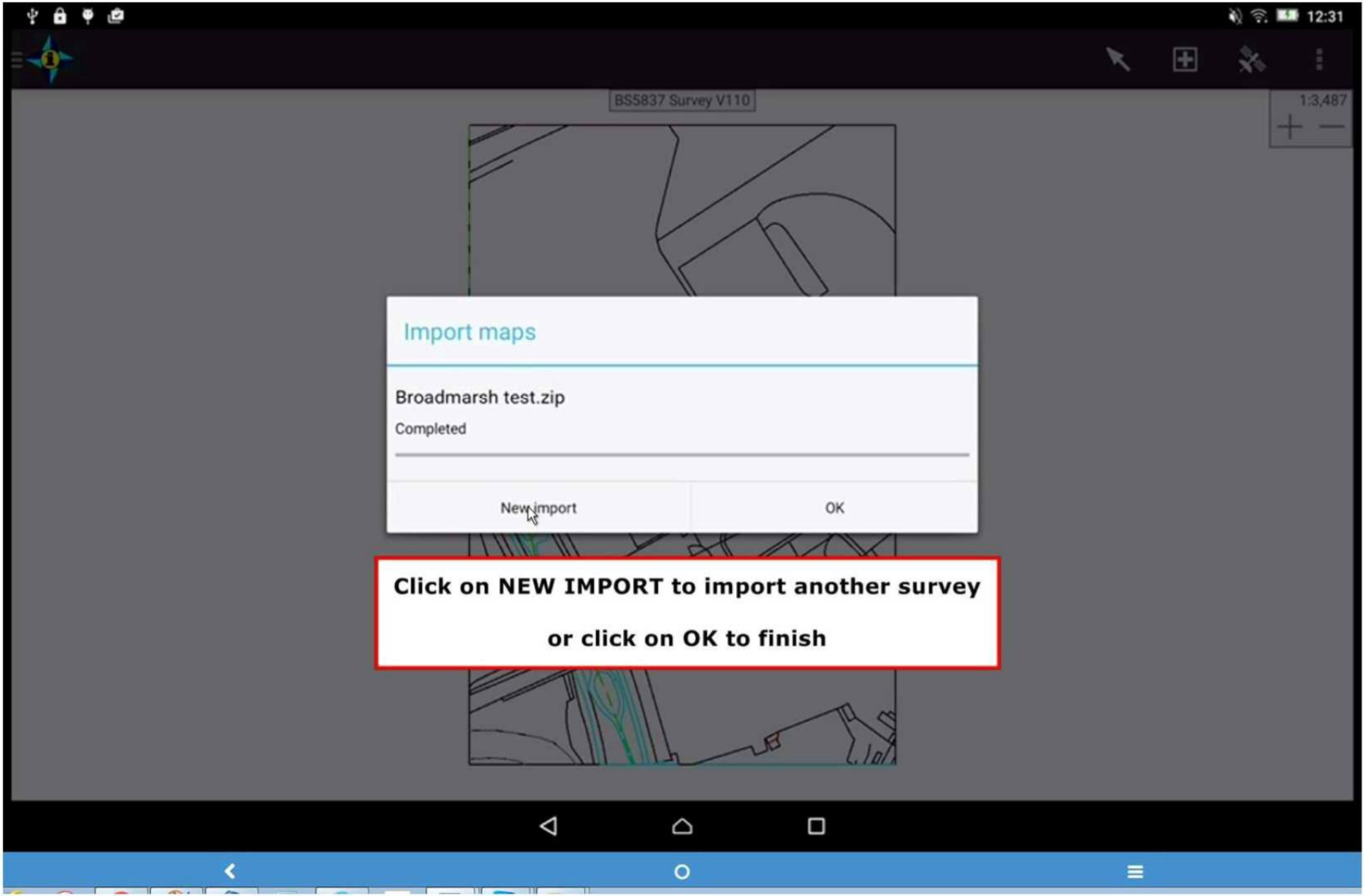
Connect your Android device via cable to your PC/laptop and copy the files to/from your device (the device's "Downloads" folder is highly recommended)

Connect your Android device to your network (via WiFi) and copy the files to/from your device (the device's "Downloads" folder is highly recommended)

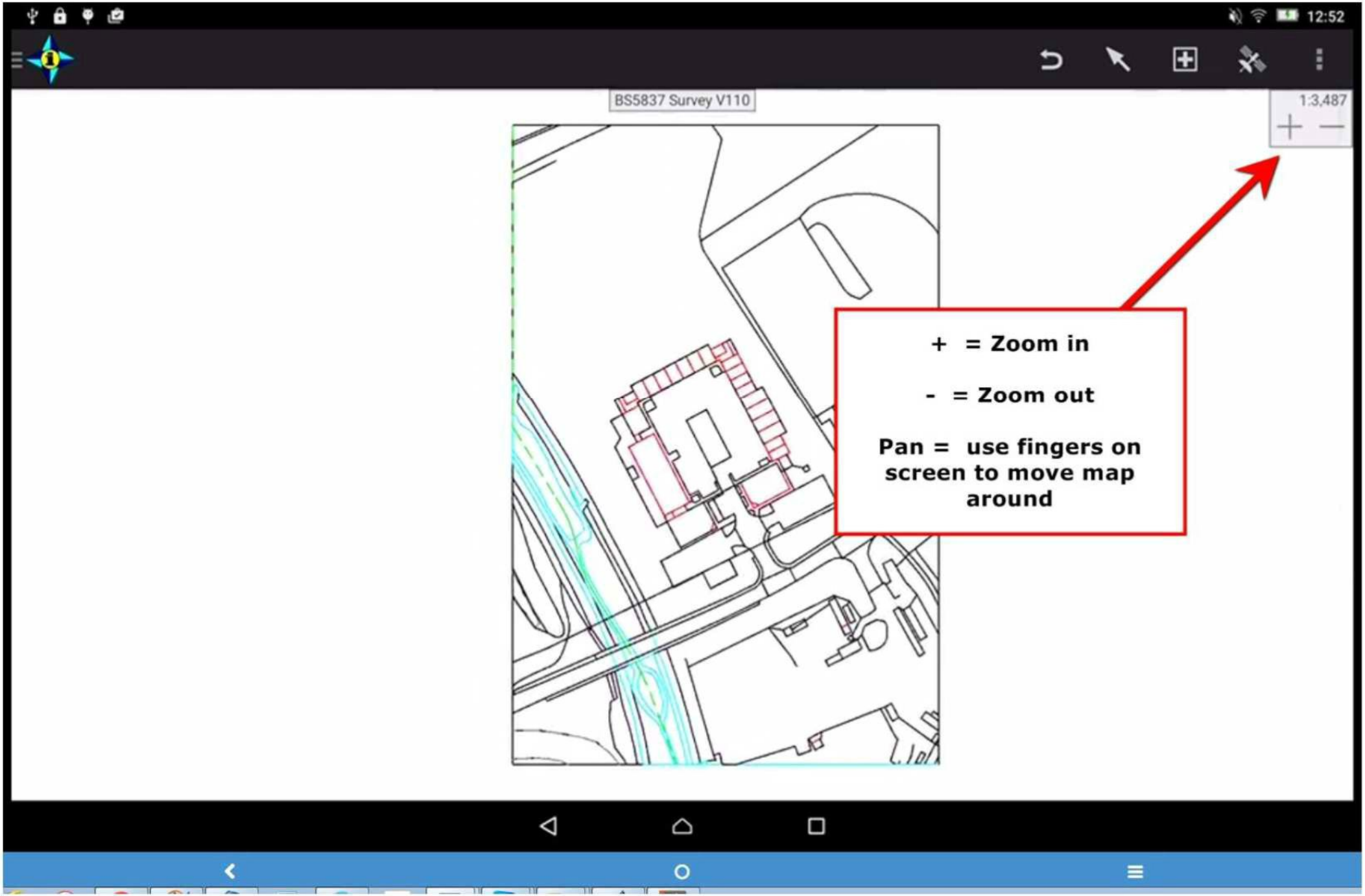
If you need help or advice with setting up any of these options then contact support at Pear Technology.

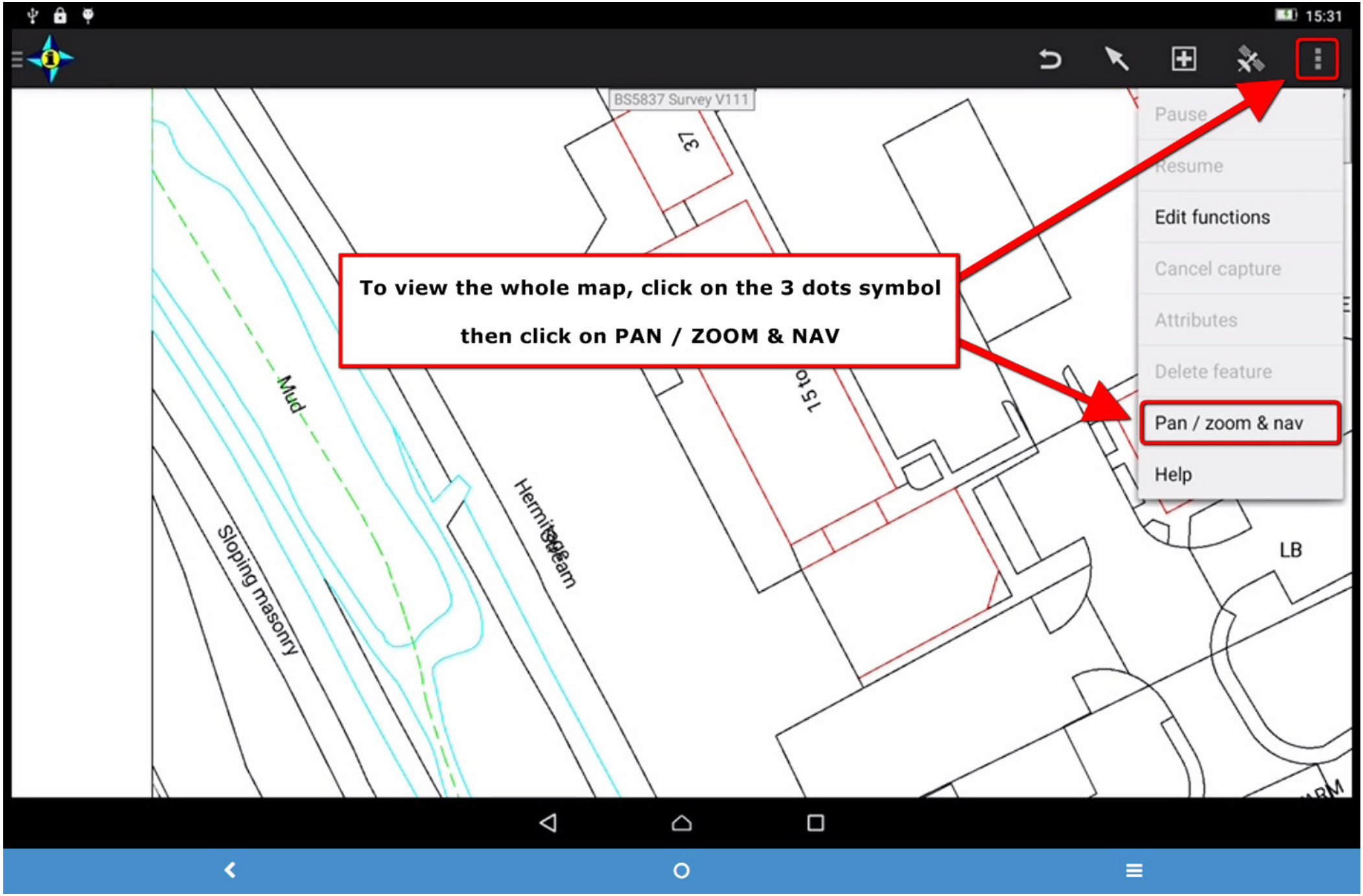

15:04
Recent
Recent
Drive
XXXXX@gmail.com
Images
Downloads
Internal storage
8.69GB free
Gallery
Choose music track
Photos
Dropbox
Note other locations, including Google Drive and the Downloads folder
If you are using email to transfer files then the Downloads folder is the best place to save the files attached to emails
Select Dropbox

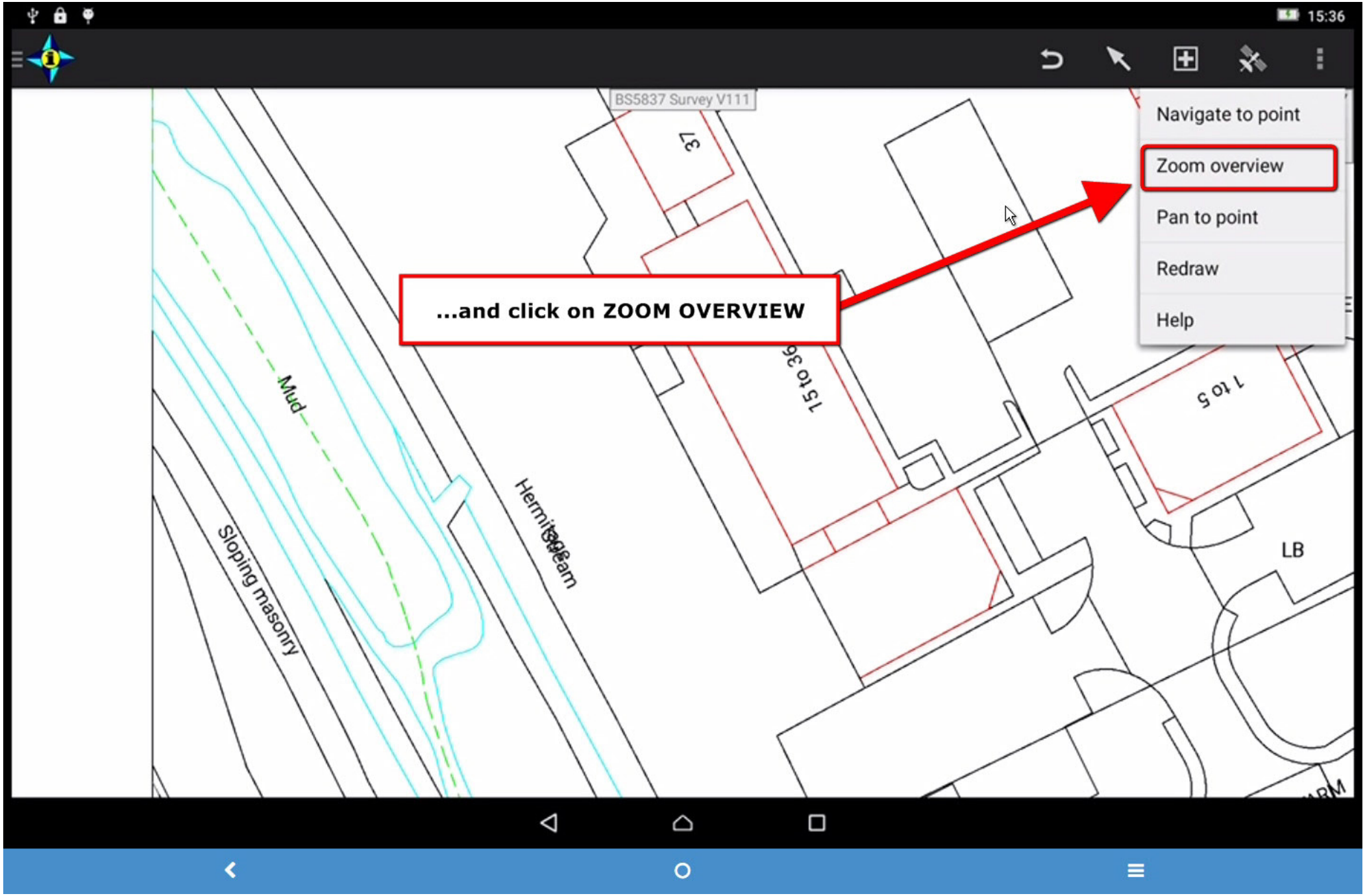

12:25
Choose file in
PGIS CLOUD TRANSFER
1.zip
157.6 KB, modified 1 month ago
another survey.csv
1.1 KB, modified 3 weeks ago
B1 General Survey V111.csv
1.1 KB, modified 3 weeks ago
Blank survey General Survey V111 Template.zip
61.4 KB, modified 3 weeks ago
Blank survey.zip
62.9 KB, modified 3 weeks ago
Broadmarsh test.zip
83.7 KB, modified 3 months ago
Demo.zip
150.6 KB, modified 1 month ago
Havant.zip
163.3 KB, modified 1 month ago
js gs.zip
The survey that you created in PTMapper Pro will appear here as a zip file
Click on it to load it


12:31
BS5837 Survey V110
1:3,487
Import maps
Broadmarsh test.zip
Completed
New import
OK
Click on NEW IMPORT to import another survey
or click on OK to finish

4. Moving around the map




15:31
BS5837 Survey V111
47
Pause
Resume
Edit functions
Cancel capture
Attributes
Delete feature
Pan / zoom & nav
Help
To view the whole map, click on the 3 dots symbol
then click on PAN / ZOOM & NAV
Mud
Sloping masonry
Hermitage Stream
LB


15:36
BS5837 Survey V111
37
15 to 36
7 to 5
Navigate to point
Zoom overview
Pan to point
Redraw
Help
...and click on ZOOM OVERVIEW
Mud
Sloping masonry
Hermitage Stream
LB

NOTE !

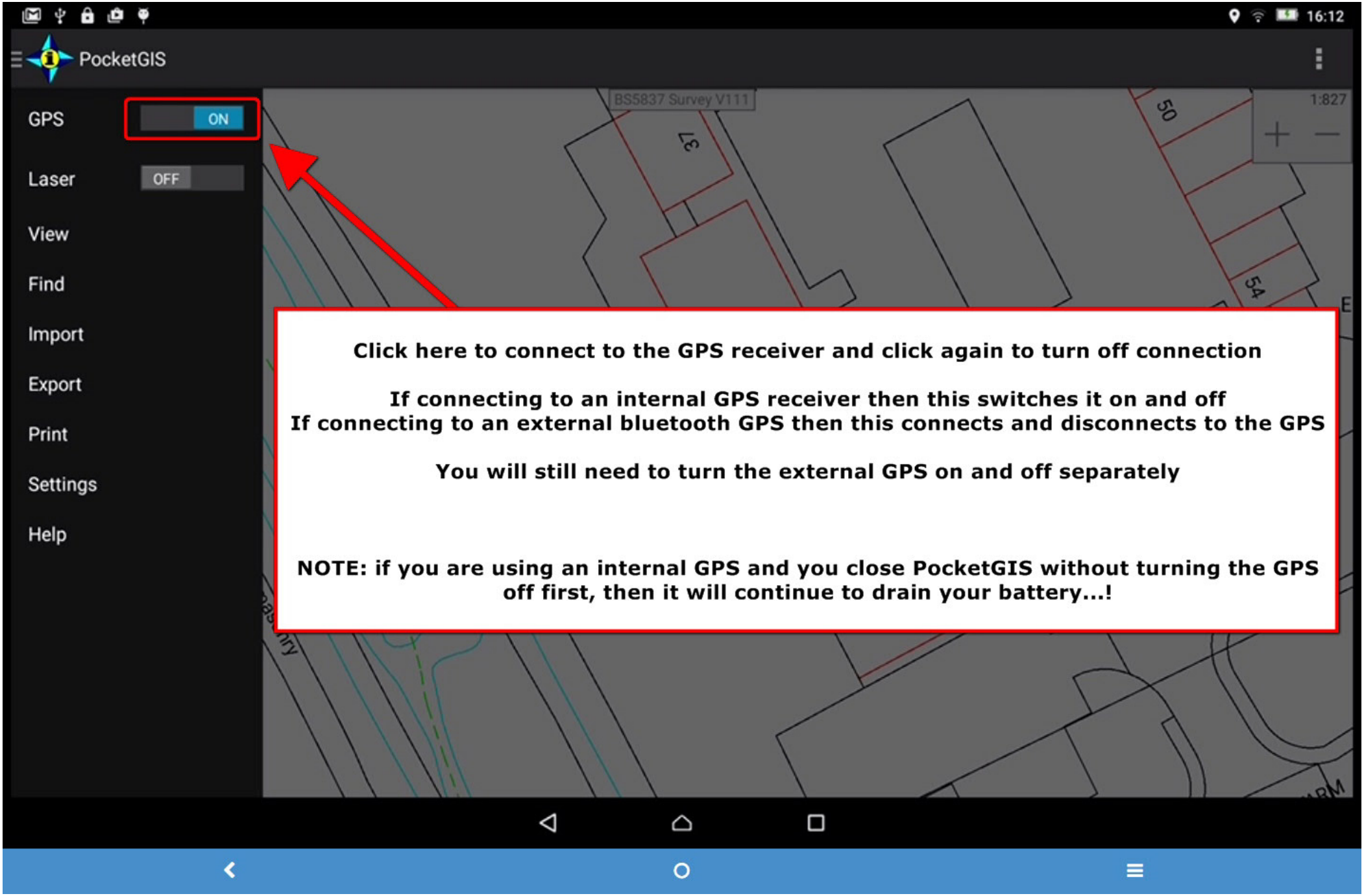
FOR USERS OF THE TRIMBLE JUNO T41 RANGE

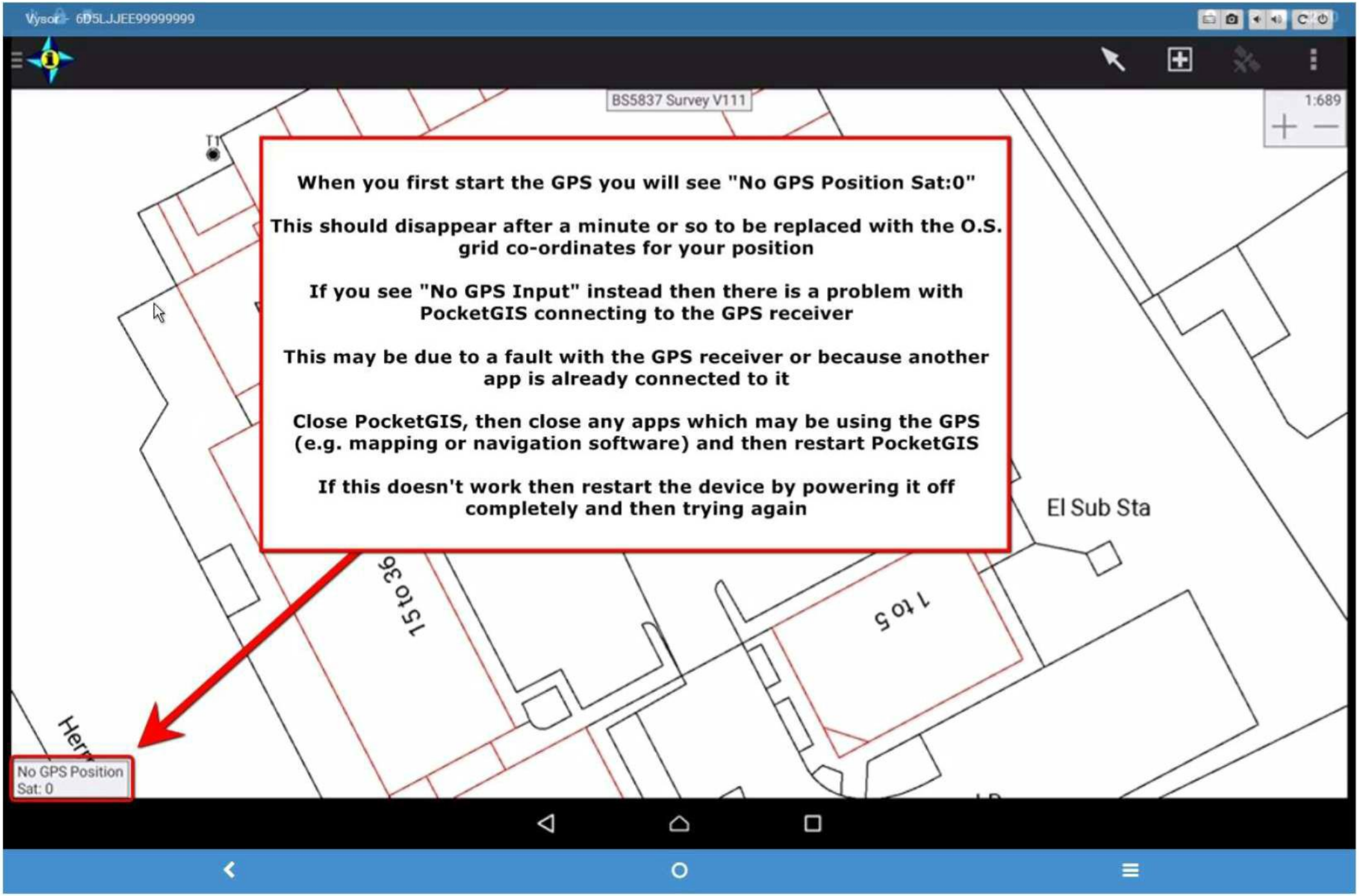
The "three dots" symbol described in this User Guide, which gives access to various menu options and functions that are mentioned here, does not appear in the top right hand corner of the screen on the Trimble Juno T41 range of devices.

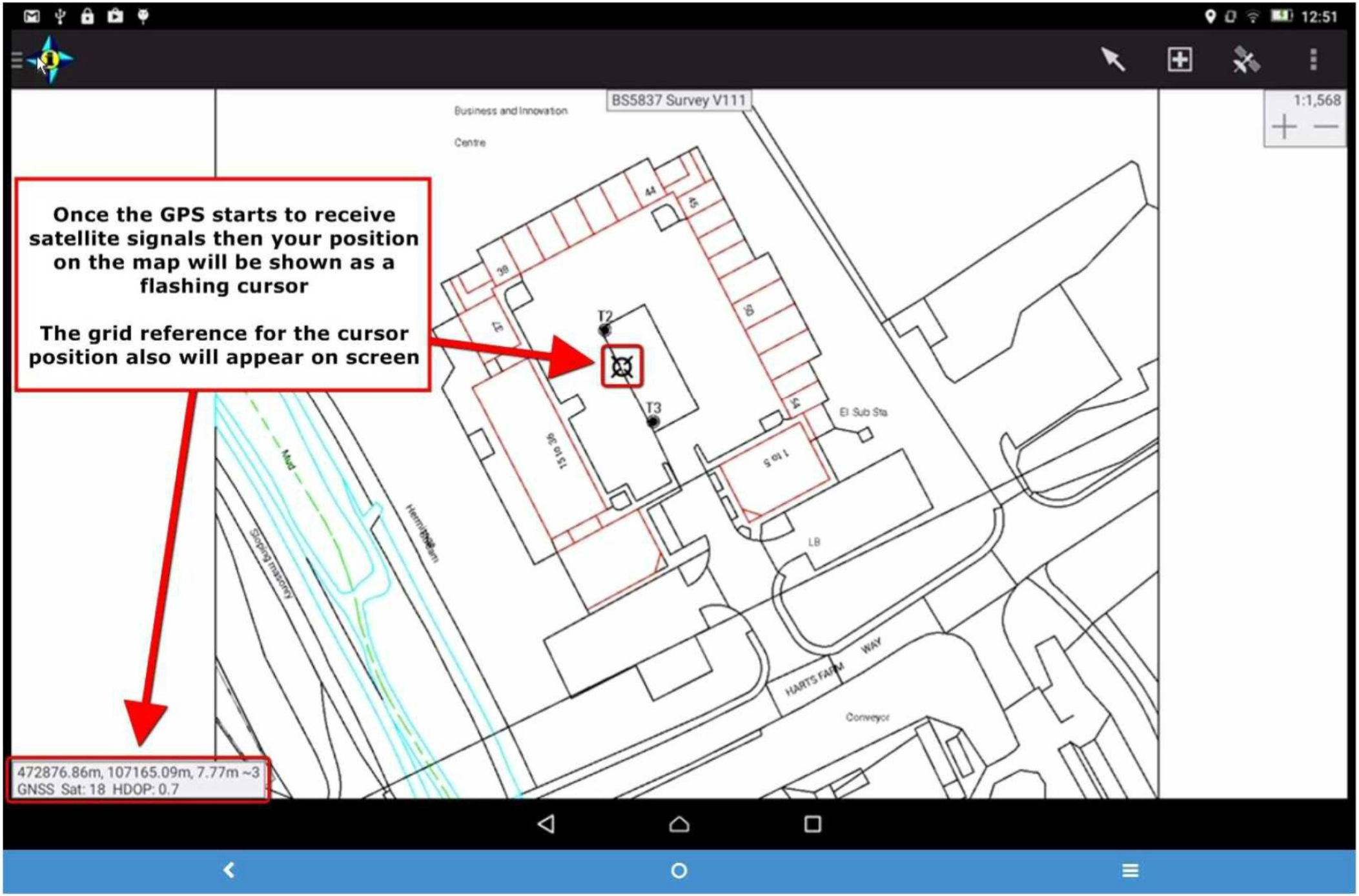
Instead, this function is accessed by pressing the second button from the left at the bottom of the unit, as highlighted in the picture to the left.

15:41
BS5837 Survey V111
Navigate to point
Zoom overview
Pan to point
Redraw
Help
To refresh the screen, click on the 3 dots symbol
then click on PAN / ZOOM & NAV
and then click on REDRAW
Sloping masonry
LB

5. Starting and stopping the GPS




Vysor - 6D5LJJEE99999999
BS5837 Survey V111
1:689
When you first start the GPS you will see "No GPS Position Sat:0"
This should disappear after a minute or so to be replaced with the O.S. grid co-ordinates for your position
If you see "No GPS Input" instead then there is a problem with PocketGIS connecting to the GPS receiver
This may be due to a fault with the GPS receiver or because another app is already connected to it
Close PocketGIS, then close any apps which may be using the GPS (e.g. mapping or navigation software) and then restart PocketGIS
If this doesn't work then restart the device by powering it off completely and then trying again
El Sub Sta
No GPS Position
Sat: 0


12:51
BS5837 Survey V111
1:1,568
Business and Innovation
Centre
Once the GPS starts to receive satellite signals then your position on the map will be shown as a flashing cursor
The grid reference for the cursor position also will appear on screen
T2
T3
El Sub Sta
LB
HARTS FARM
WAY
Conveyor
Mud
Sloping masonry
472876.86m, 107165.09m, 7.77m ~3
GNSS Sat: 18 HDOP: 0.7

GPS ACCURACY

After a few minutes the GPS will start to receive satellite signals and this will be displayed on screen in a box in the bottom left hand corner.

PocketGIS will also display a constantly flashing GPS cursor on the map. This is your position based on the number and accuracy of the satellite signals received.

Initially the cursor may move around the screen but it should soon settle in one position and you are then ready to start surveying.

Once the GPS is connected and satellite signals are being received, there are three bits of information displayed on screen:

1. The grid co-ordinates of the GPS cursor - these are the Ordnance Survey Eastings and Northings.

2. The number of Satellites in view – generally speaking, the more satellites available the better the accuracy. 8+ is ideal, 5-8 is good, under 4 is poor (**but see HDOP below**).

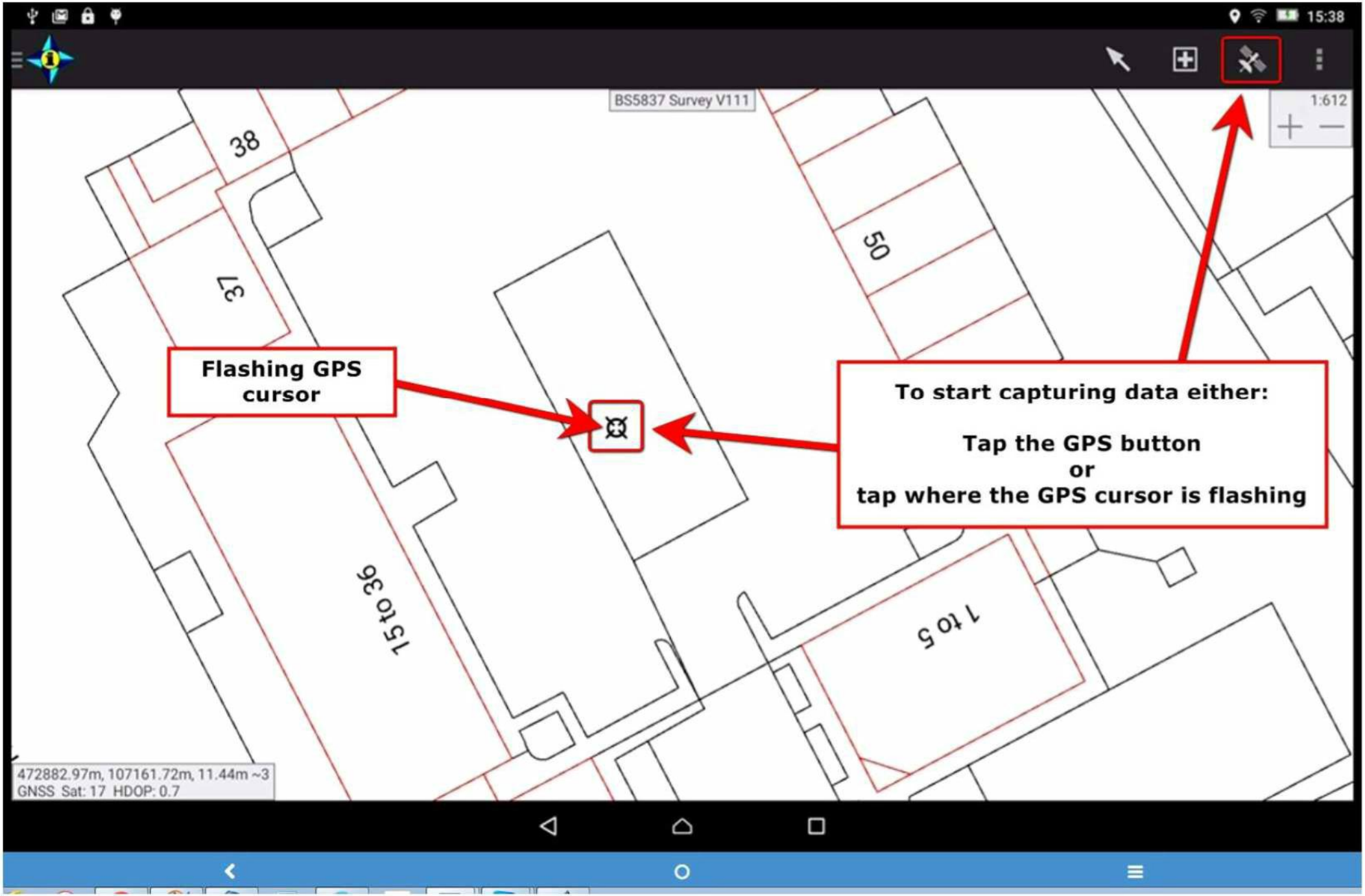
3. HDOP - This is the overall level of expected accuracy based on the geometry of the satellites in view (i.e. their positions relative to you) - the lower the HDOP figure the better. 1 or under is ideal, 1-2 is good, 2-3 is OK, 3+ poor.

Example 1: You have 9 satellites in view but your HDOP is 5 - it is likely that all or most of the satellites are in one section of the sky (e.g. to your north).

Example 2: You have 5 satellites in view and your HDOP is 1.5 - it is likely that all or most of your satellites are evenly spread around you.

If nothing changes then Example 2's survey data should be more accurate.

6. Capturing survey data and cancelling a data capture



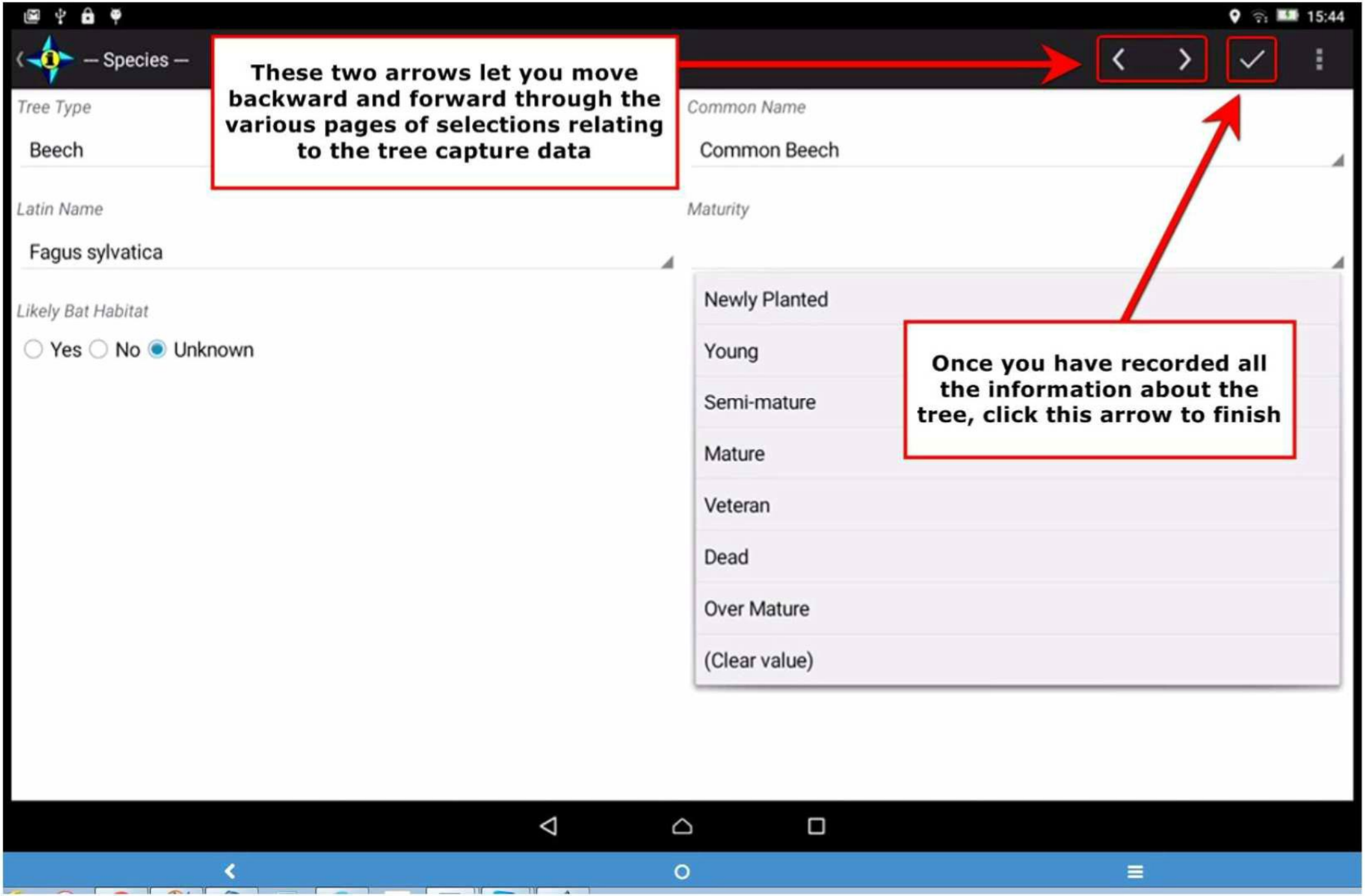
DATA CAPTURE

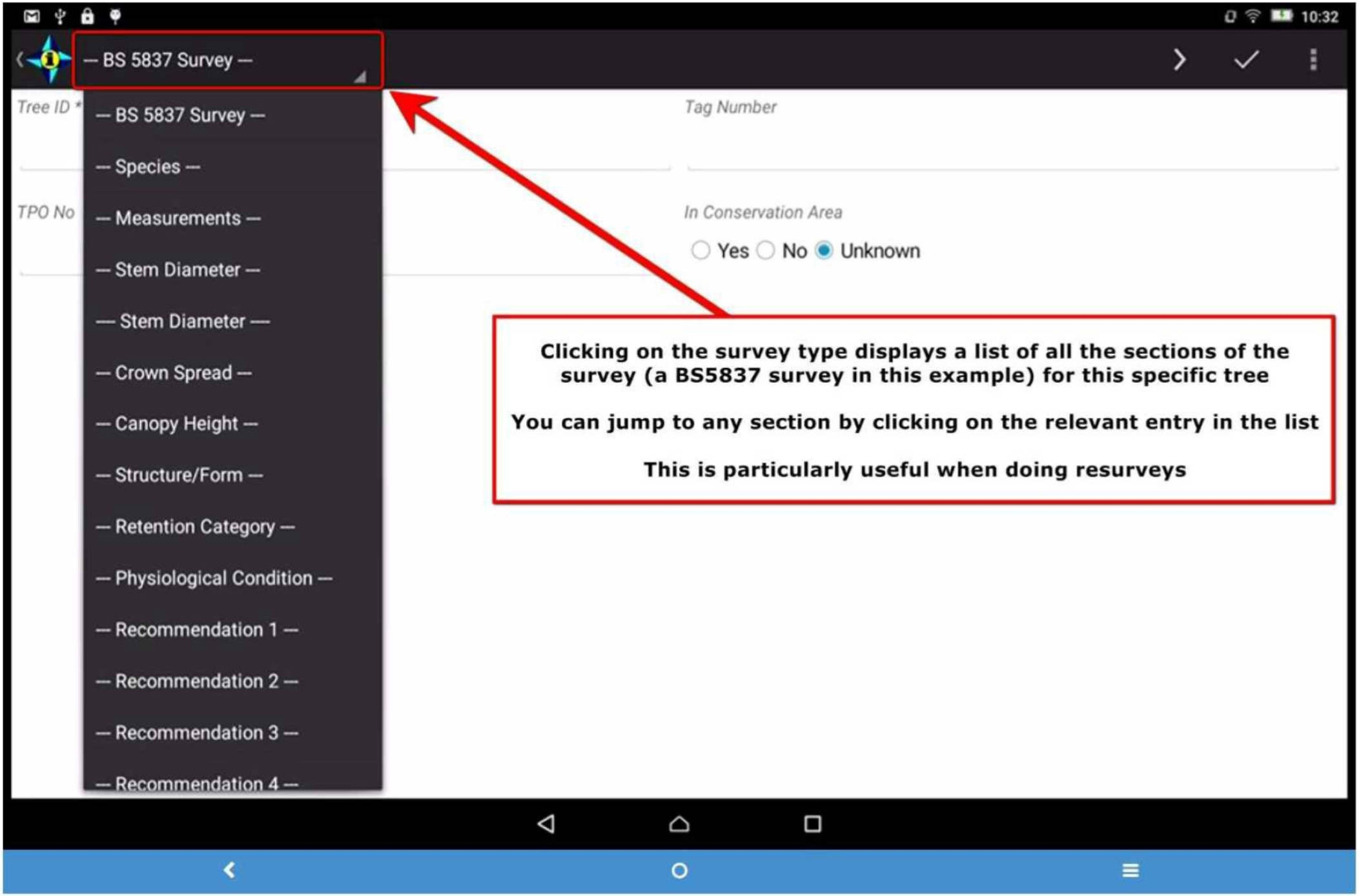
Once you tap on the screen (or on the satellite icon) PocketGIS will open the survey template that you previously loaded and will prompt you to start recording information.

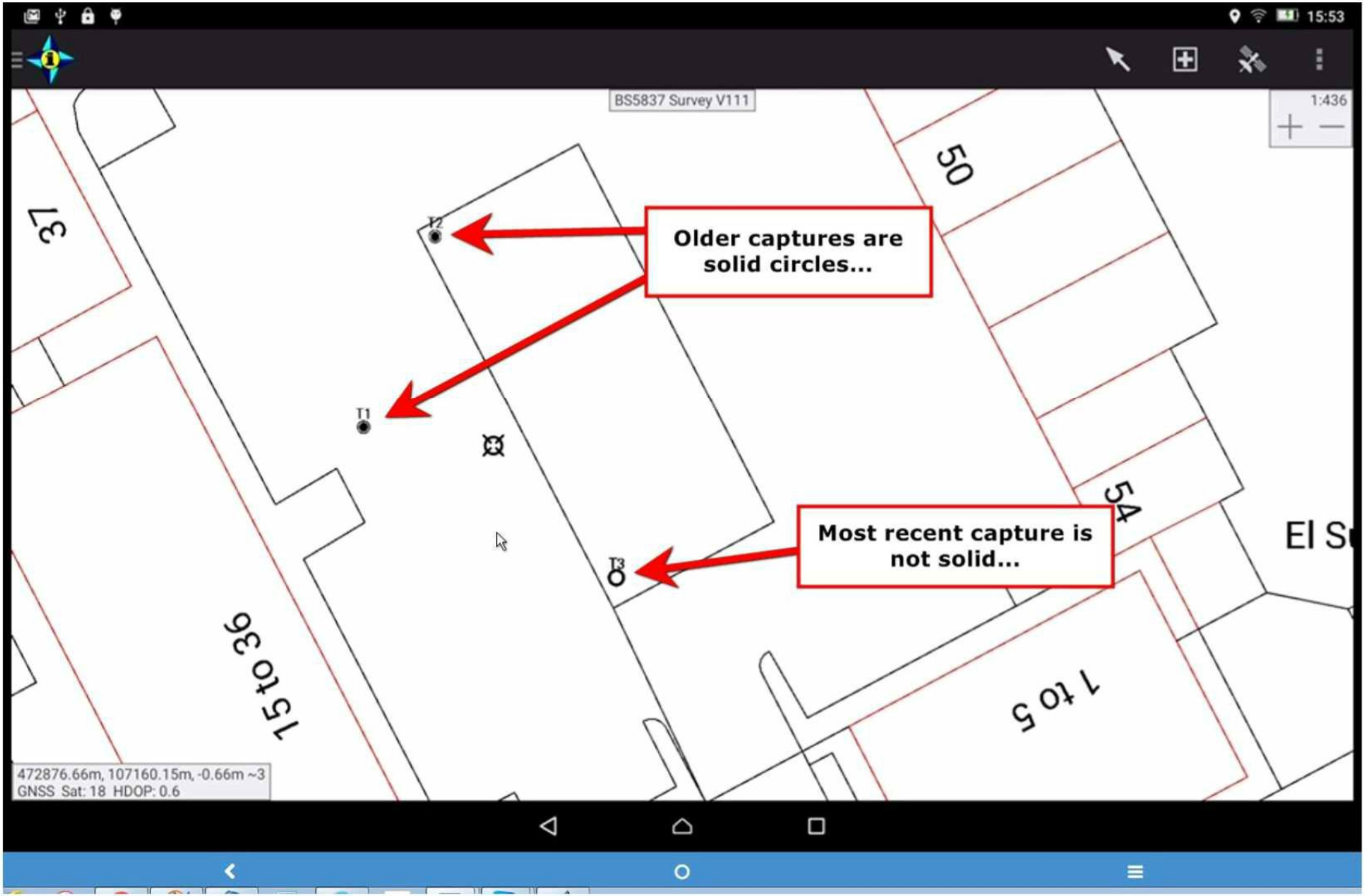
The example shown in the following pages is for a BS5837 tree survey so in this case you are recording information about a single tree. There are a number of sections (or pages) covering different aspects of the survey which you work through one section at a time.

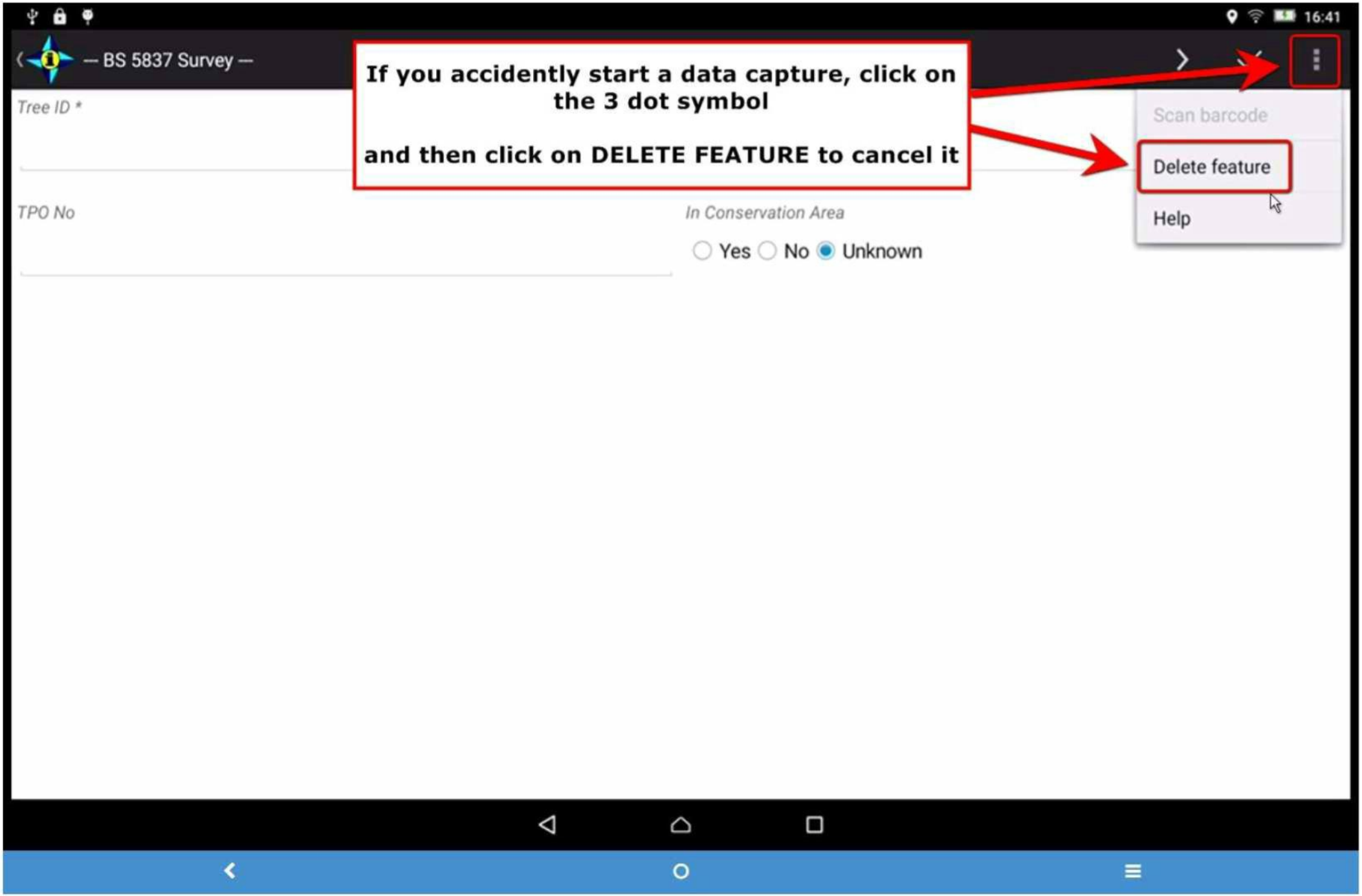
PTMapper Pro has a number of predefined survey templates included (BS5837, Lines & Areas, General Survey, etc) but it is also possible to create custom survey templates for a whole range of different items e.g. bins, internet cabling, water pipelines, etc.

If you have a specific requirement for surveying then contact Pear Technology for more information.


15:44
— Species —
These two arrows let you move backward and forward through the various pages of selections relating to the tree capture data
Tree Type
Beech
Common Name
Common Beech
Latin Name
Fagus sylvatica
Maturity
Likely Bat Habitat
Yes
No
Unknown
Newly Planted
Young
Semi-mature
Mature
Veteran
Dead
Over Mature
(Clear value)
Once you have recorded all the information about the tree, click this arrow to finish


10:32
— BS 5837 Survey —
Tree ID *
Tag Number
TPO No
In Conservation Area
Yes
No
Unknown
— BS 5837 Survey —
— Species —
— Measurements —
— Stem Diameter —
— Stem Diameter —
— Crown Spread —
— Canopy Height —
— Structure/Form —
— Retention Category —
— Physiological Condition —
— Recommendation 1 —
— Recommendation 2 —
— Recommendation 3 —
— Recommendation 4 —
Clicking on the survey type displays a list of all the sections of the survey (a BS5837 survey in this example) for this specific tree
You can jump to any section by clicking on the relevant entry in the list
This is particularly useful when doing resurveys


15:53
BS5837 Survey V111
1:436
50
37
T2
Older captures are solid circles...
T1
54
Most recent capture is not solid...
T3
El S
15 to 36
1 to 5
472876.66m, 107160.15m, -0.66m ~3
GNSS Sat: 18 HDOP: 0.6


16:41
-- BS 5837 Survey --
If you accidently start a data capture, click on the 3 dot symbol
and then click on DELETE FEATURE to cancel it
Tree ID *
Scan barcode
Delete feature
Help
TPO No
In Conservation Area
Yes
No
Unknown

7. Switching between survey maps and selecting different survey types

SELECTING DIFFERENT MAPS OR SITES TO SURVEY OR RESURVEY

Once you import a map and survey (created from PTMapper Pro) into PocketGIS the software calls this a **View**.

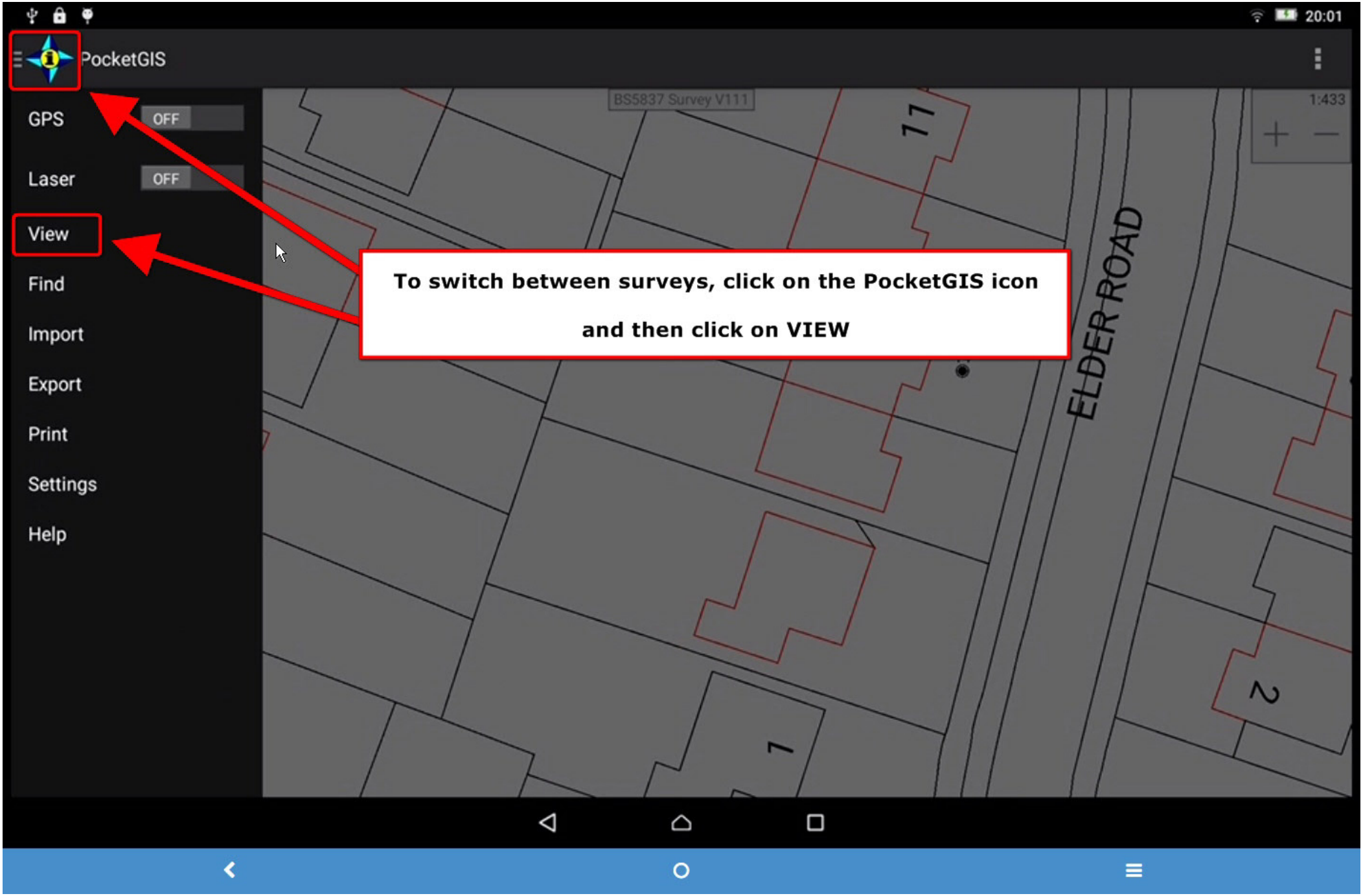
Each **View** represents the map (site) that you are surveying on and also the survey template, which holds all of the information that you plan to record for your survey (the examples shown here are of a BS5837 tree survey).

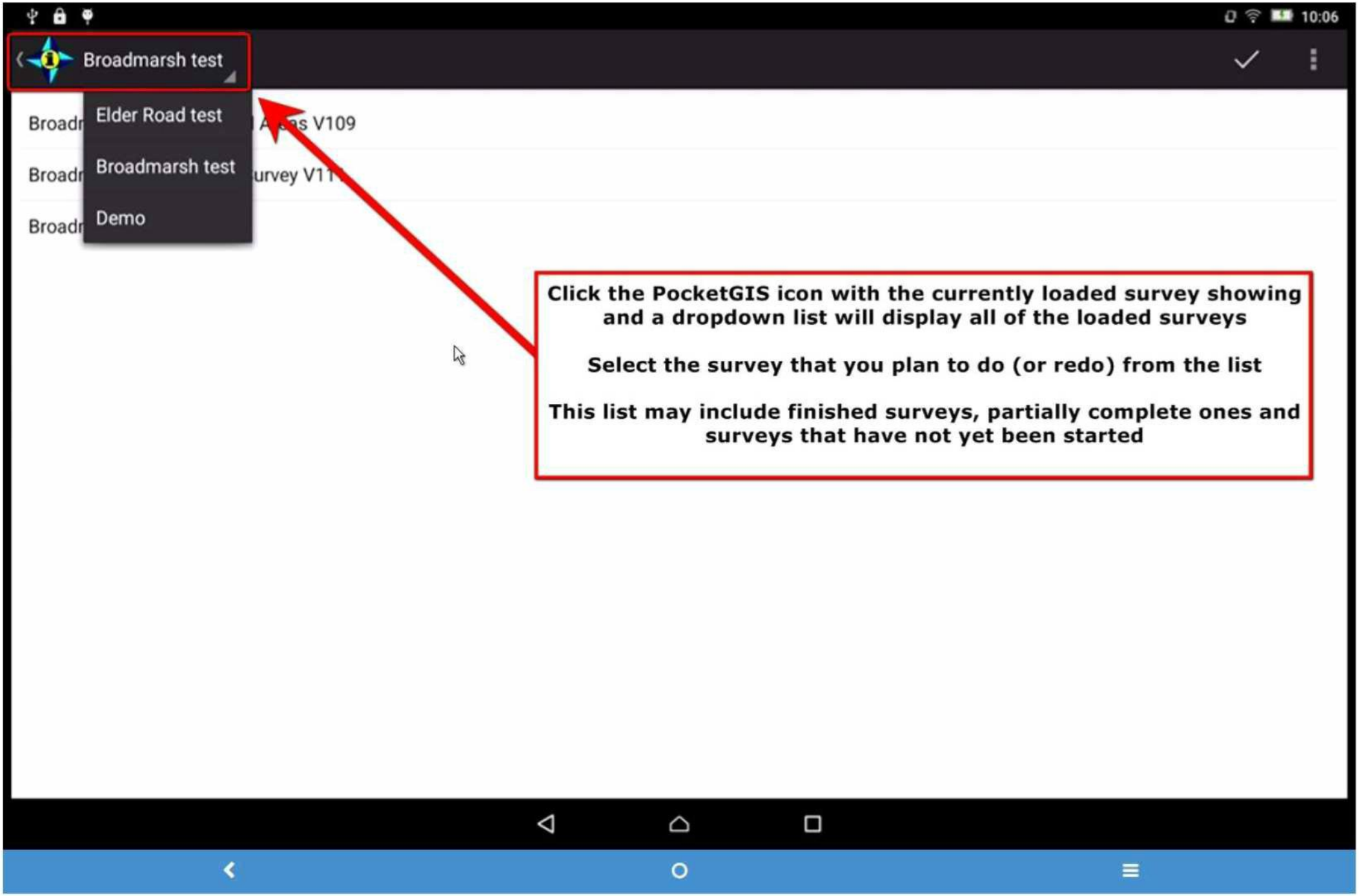
Initially, the survey template will be empty. As you record information it is retained in the survey template which you will later Export from PocketGIS to use in other software e.g. PTMapper Pro or Treeminder.

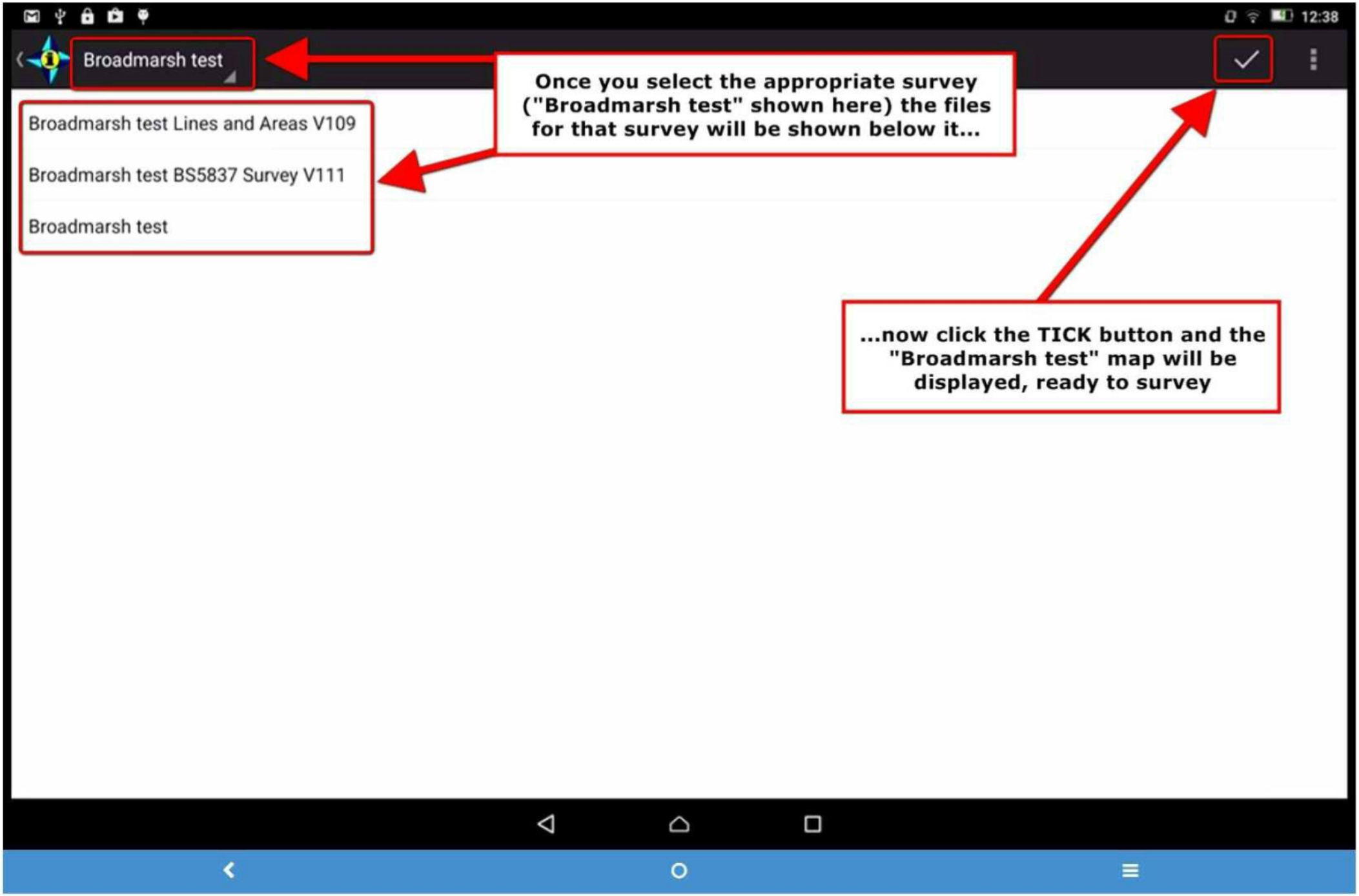
PocketGIS maintains a list of these **Views** and allows you to switch between them as and when required. Over time you will build up a collection of **Views** representing each survey that you have conducted.

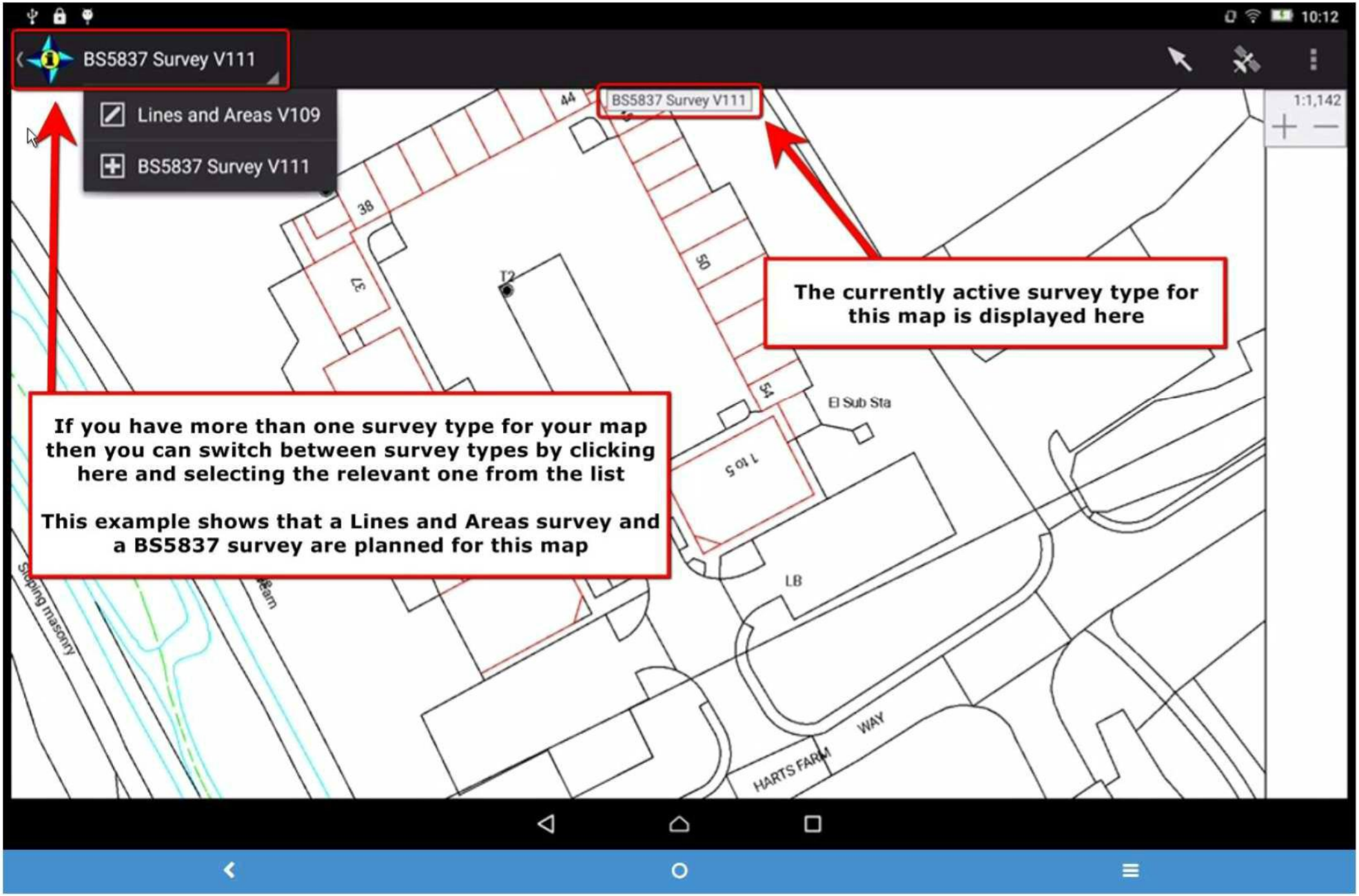
If you ever need to resurvey a site then you only need to switch to the relevant **View** before editing any of the previously surveyed trees. (See section **8. Editing and making changes to surveyed items** for further details)

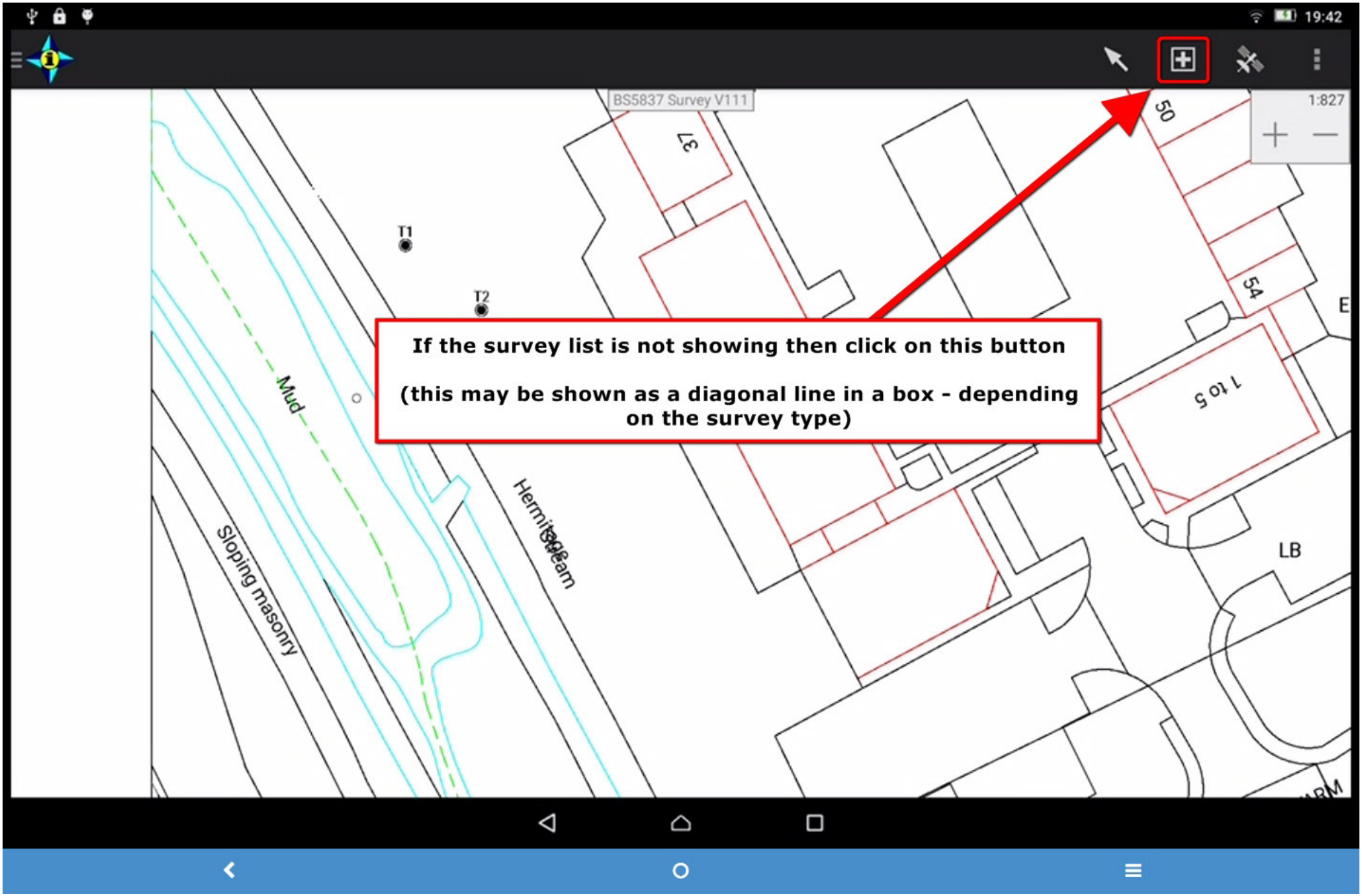
It can be useful to pre-load several site surveys (e.g. you might be planning to be away from your office surveying several locations over a number of days). As you go to each site you just switch to the relevant **View** before starting to survey.


20:01
PocketGIS
GPS
OFF
Laser
OFF
View
Find
Import
Export
Print
Settings
Help
BS5837 Survey V111
1:433
11
ELDER ROAD
1
2
To switch between surveys, click on the PocketGIS icon
and then click on VIEW

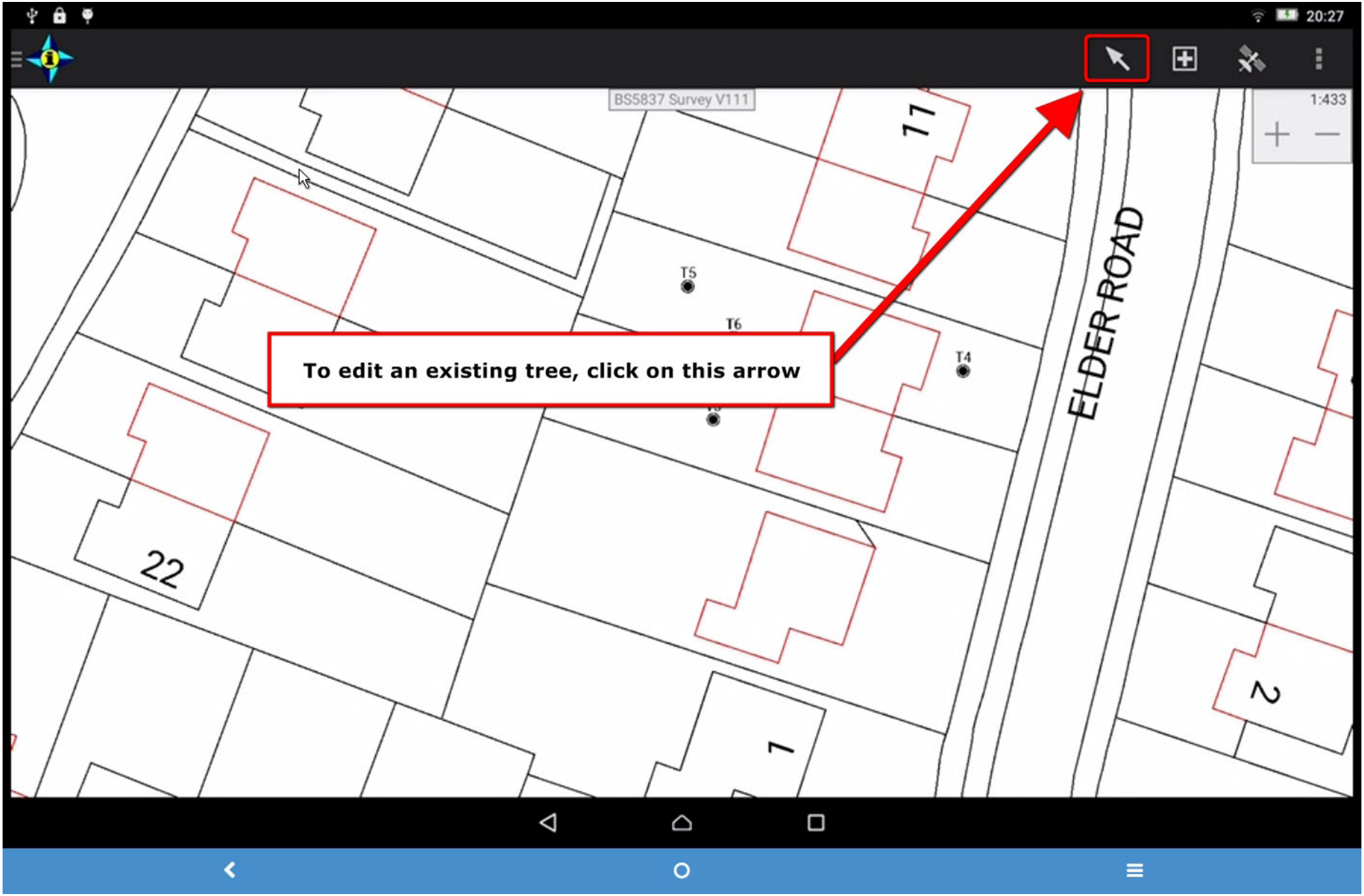

10:06
Broadmarsh test
Elder Road test
Broadmarsh test
Demo
Broadr
Broadr
Broadr
Click the PocketGIS icon with the currently loaded survey showing and a dropdown list will display all of the loaded surveys
Select the survey that you plan to do (or redo) from the list
This list may include finished surveys, partially complete ones and surveys that have not yet been started

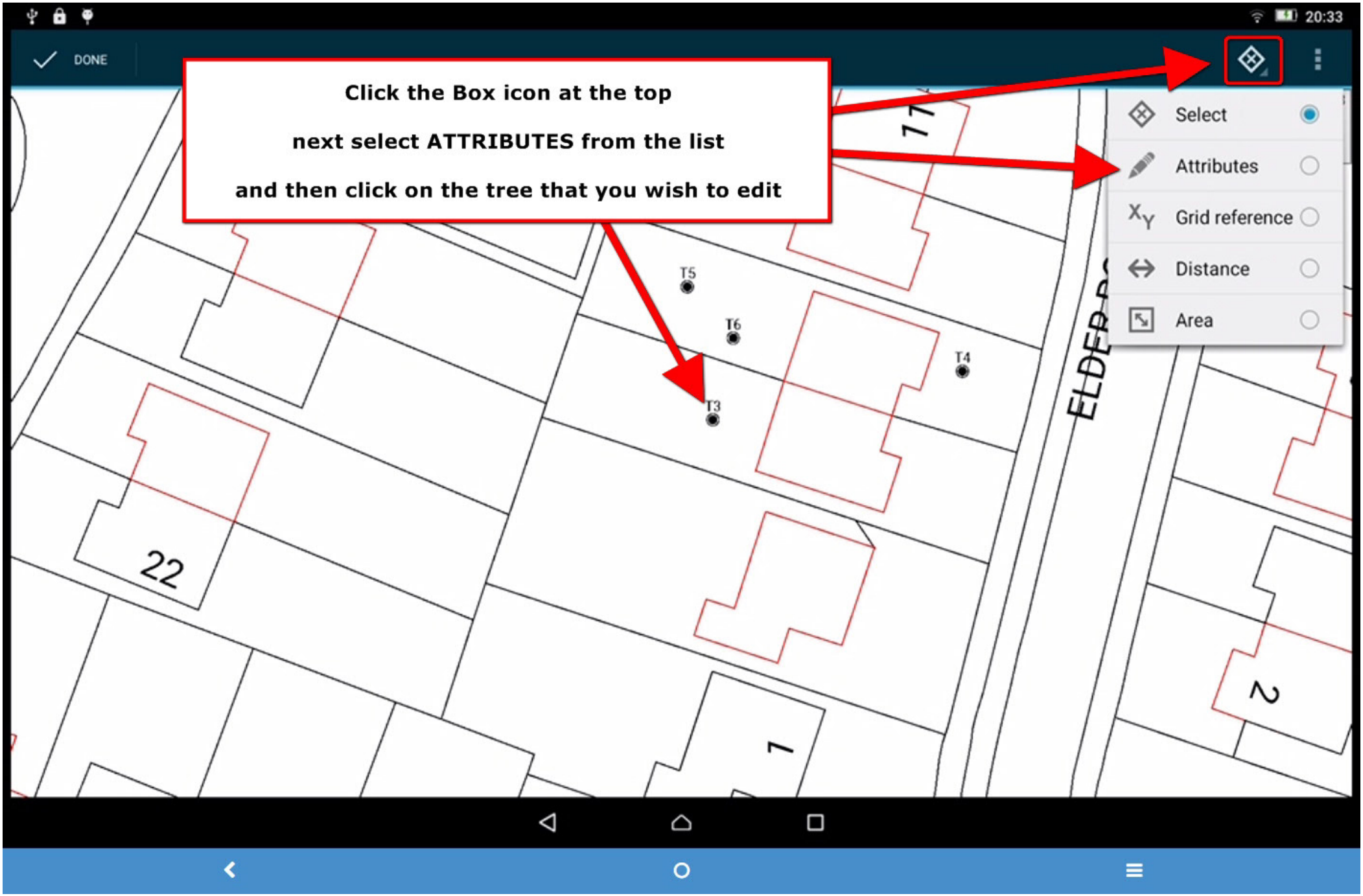

12:38
Broadmarsh test
Broadmarsh test Lines and Areas V109
Broadmarsh test BS5837 Survey V111
Broadmarsh test
Once you select the appropriate survey ("Broadmarsh test" shown here) the files for that survey will be shown below it...
...now click the TICK button and the "Broadmarsh test" map will be displayed, ready to survey

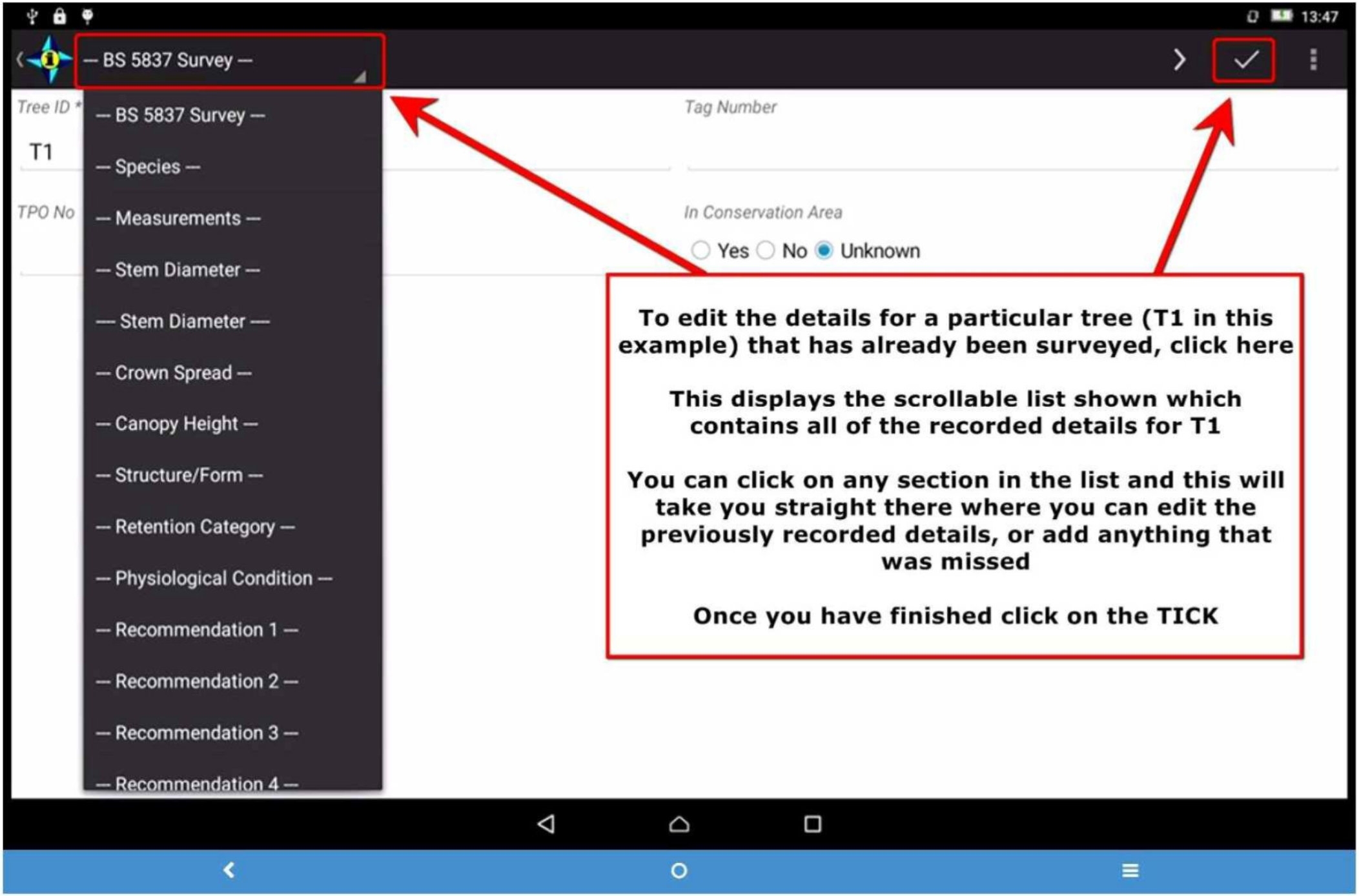

10:12
BS5837 Survey V111
Lines and Areas V109
BS5837 Survey V111
BS5837 Survey V111
1:1,142
The currently active survey type for this map is displayed here
If you have more than one survey type for your map then you can switch between survey types by clicking here and selecting the relevant one from the list
This example shows that a Lines and Areas survey and a BS5837 survey are planned for this map
El Sub Sta
LB
HARTS FARM
WAY
Stepping masonry


19:42
BS5837 Survey V111
1:827
If the survey list is not showing then click on this button
(this may be shown as a diagonal line in a box - depending on the survey type)
T1
T2
Mud
Sloping masonry
Hermitage Stream
37
50
54
LB

8. Editing and making changes to surveyed items




20:33
DONE
Click the Box icon at the top
next select ATTRIBUTES from the list
and then click on the tree that you wish to edit
Select
Attributes
Grid reference
Distance
Area
T5
T6
T4
T3
22
1
2


13:47
— BS 5837 Survey —
Tree ID *
T1
TPO No
Tag Number
In Conservation Area
Yes
No
Unknown
— BS 5837 Survey —
— Species —
— Measurements —
— Stem Diameter —
— Stem Diameter —
— Crown Spread —
— Canopy Height —
— Structure/Form —
— Retention Category —
— Physiological Condition —
— Recommendation 1 —
— Recommendation 2 —
— Recommendation 3 —
— Recommendation 4 —
To edit the details for a particular tree (T1 in this example) that has already been surveyed, click here
This displays the scrollable list shown which contains all of the recorded details for T1
You can click on any section in the list and this will take you straight there where you can edit the previously recorded details, or add anything that was missed
Once you have finished click on the TICK

21:11
DONE
1:433
You can continue to edit other trees by clicking on them
When finished editing, Click on DONE
T3
T4
ELDER ROAD
11
22
1
2

USING THE MULTISELECT FUNCTION

PocketGIS has the option to select and edit several surveyed items at the same time. This can be useful if you need to edit or record information about them to make it all the same e.g. to record that they are all the same Tree Type, to select the same work recommendations or to delete a group of trees.

Multiselect can also be useful if you are surveying a number of trees that all have the same characteristics. e.g. if you are recording an avenue of trees that were the same species and also had the same height and crown spread.

EXAMPLE

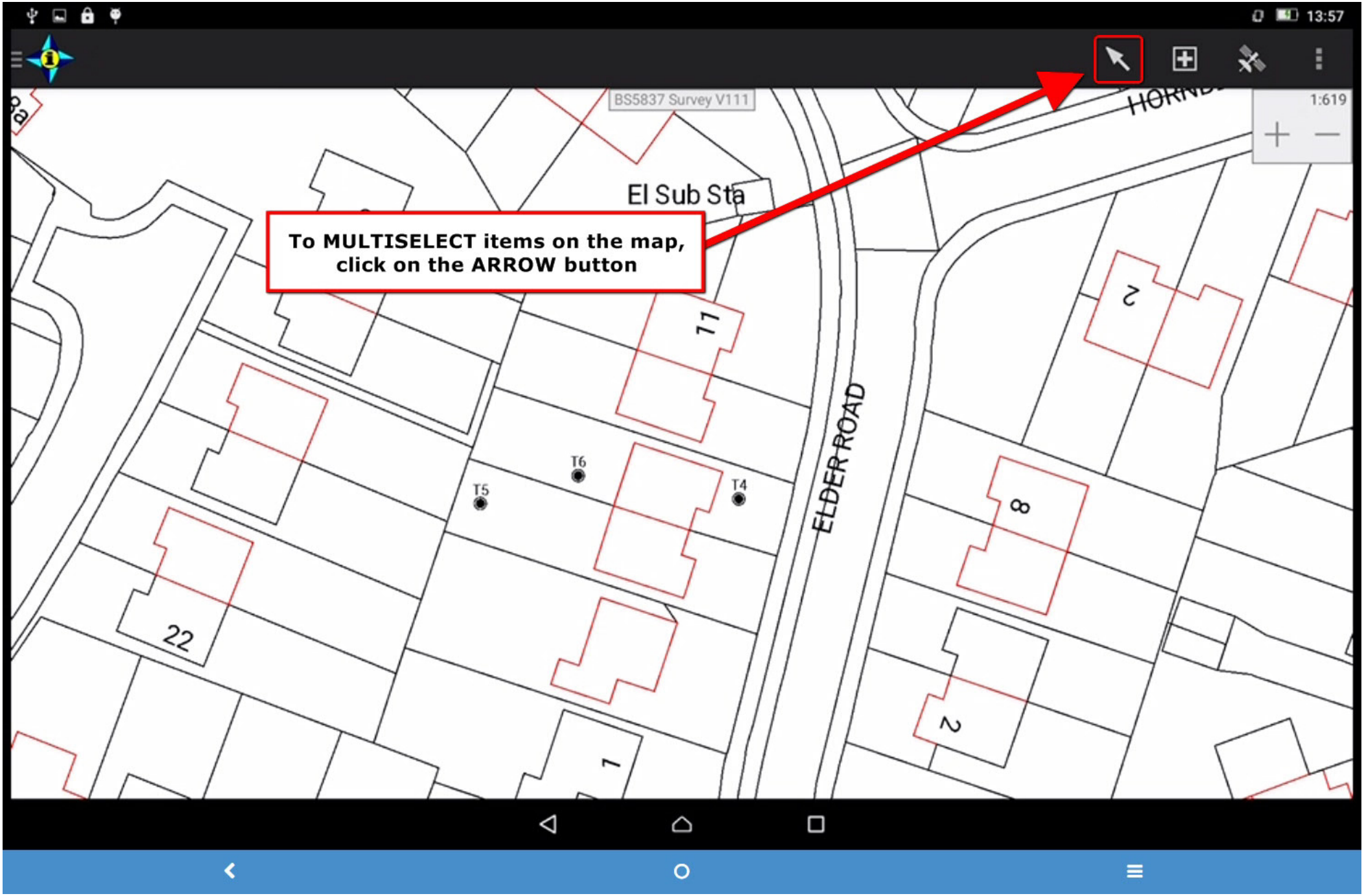
You are surveying an avenue of trees - this comprises of two rows of 5 trees each, they are all Poplars of 5m Height and 2.5m Crown Spread.

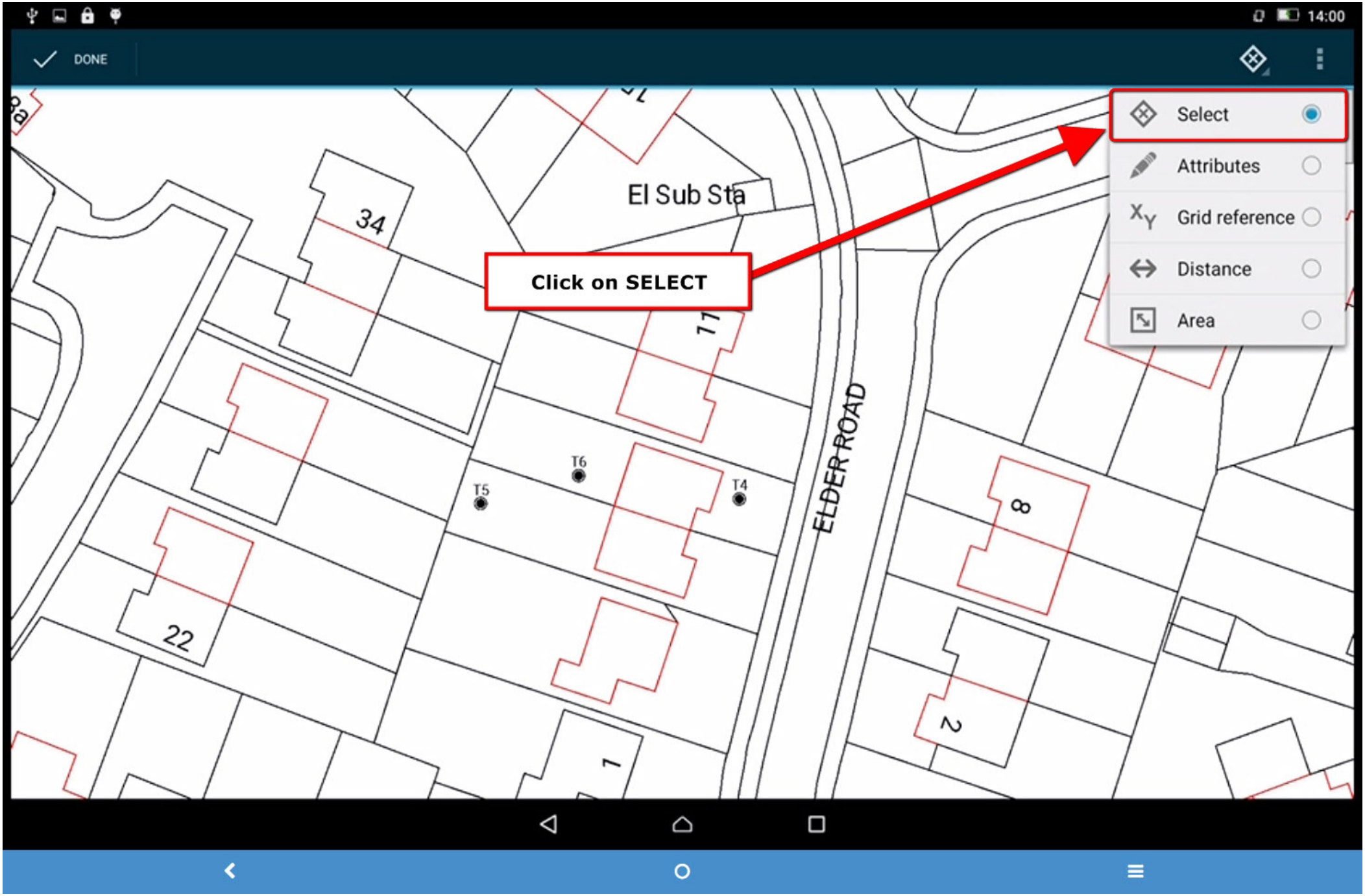
First you must create the 10 trees on the map as normal - but only give each tree an ID, don't add any other information. Once you have created the 10 trees, switch to Multiselect and select **all 10 trees** (by clicking on each one in turn) then select ATTRIBUTES. You will now see the normal data capture screen as if it were for a single tree.

Enter the information for Tree Type, Height and Crown Spread as you would for a single tree and then save this. **All** of the information recorded will now be added to **all 10 trees** that you multiselected.

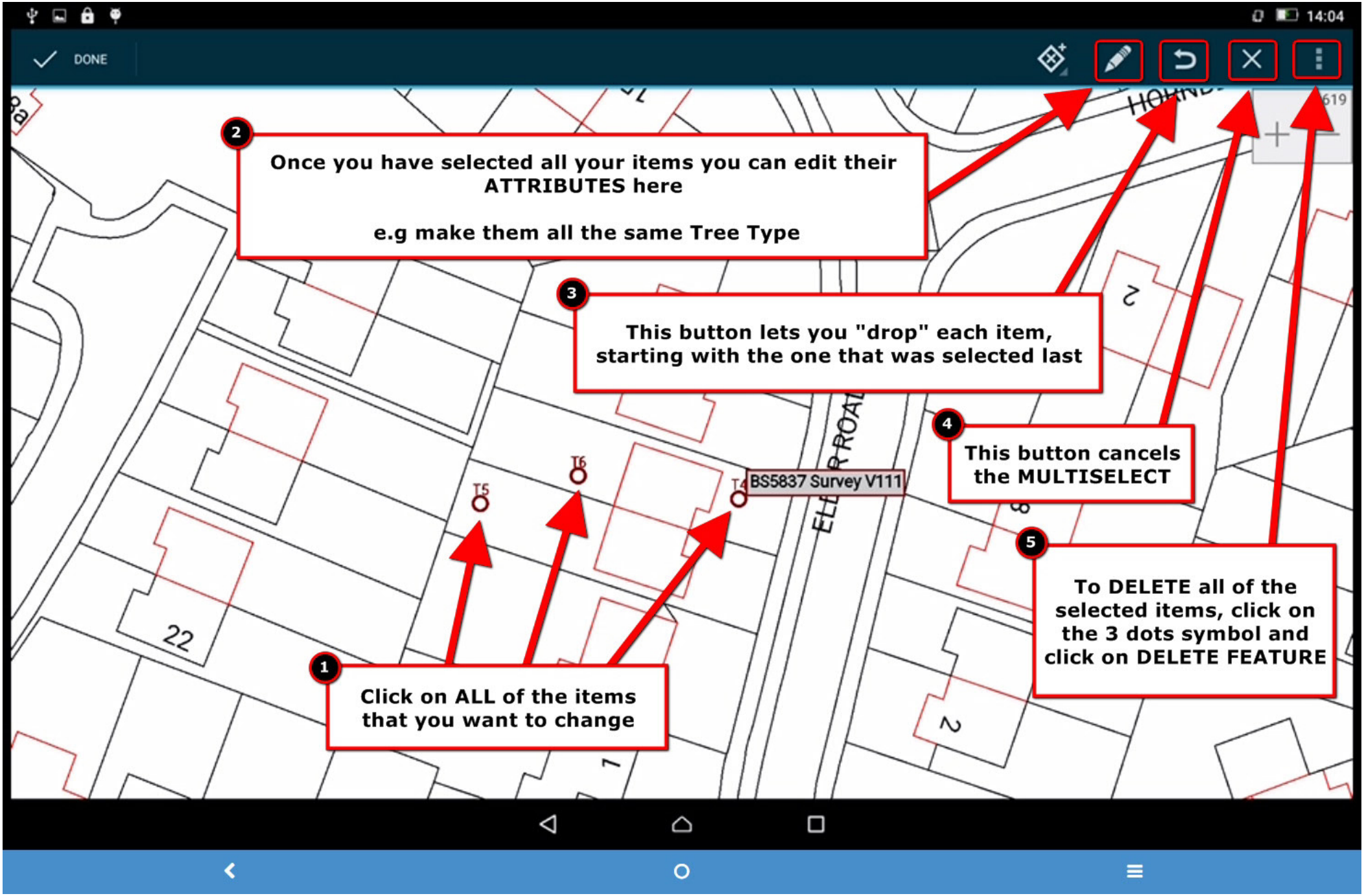
NOTE: Once you have finished using Multiselect remember to turn it off..!

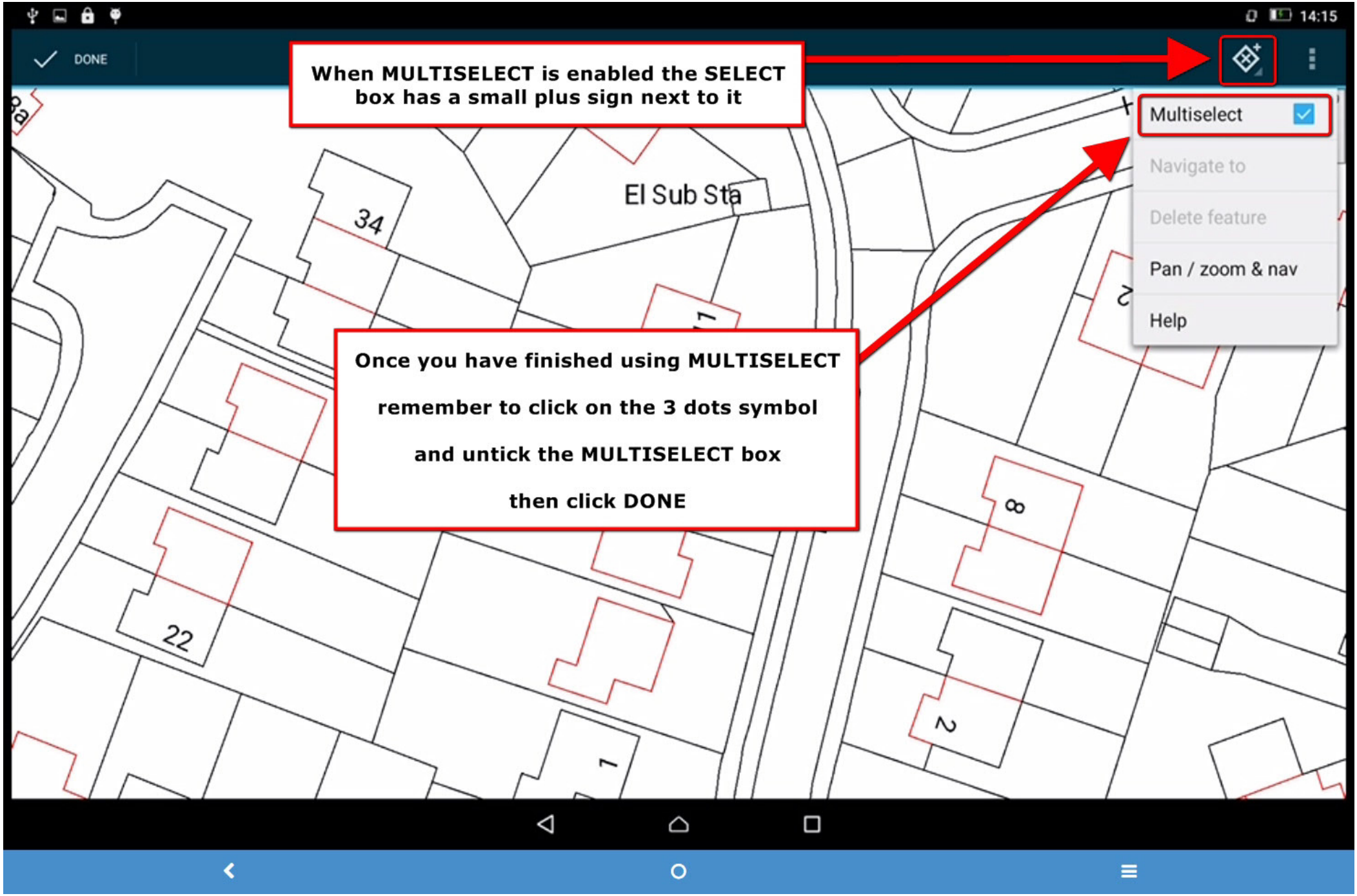
Multiselect can also be useful when doing resurveys. e.g. to record that 20 trees were all re-inspected on the same day or that a group of 5 individual trees will need to be felled.


13:57
1:619
BS5837 Survey V111
El Sub Sta
To MULTISELECT items on the map, click on the ARROW button
ELDER ROAD
T4
T5
T6
11
22
1
2
8
2

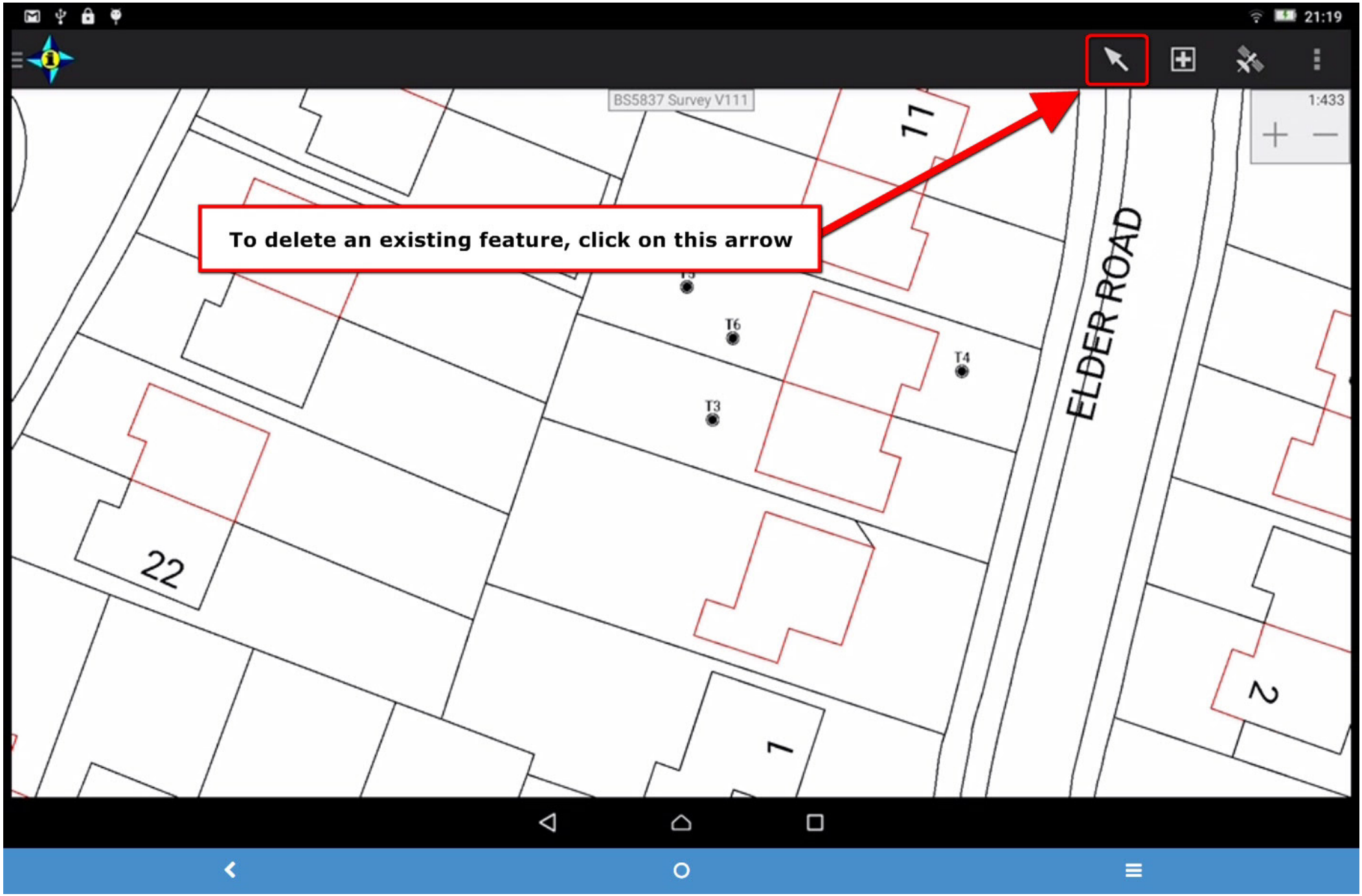

14:00
DONE
Select
Attributes
Grid reference
Distance
Area
Click on SELECT
El Sub Sta
34
11
T6
T5
T4
ELDER ROAD
8
22
2
1

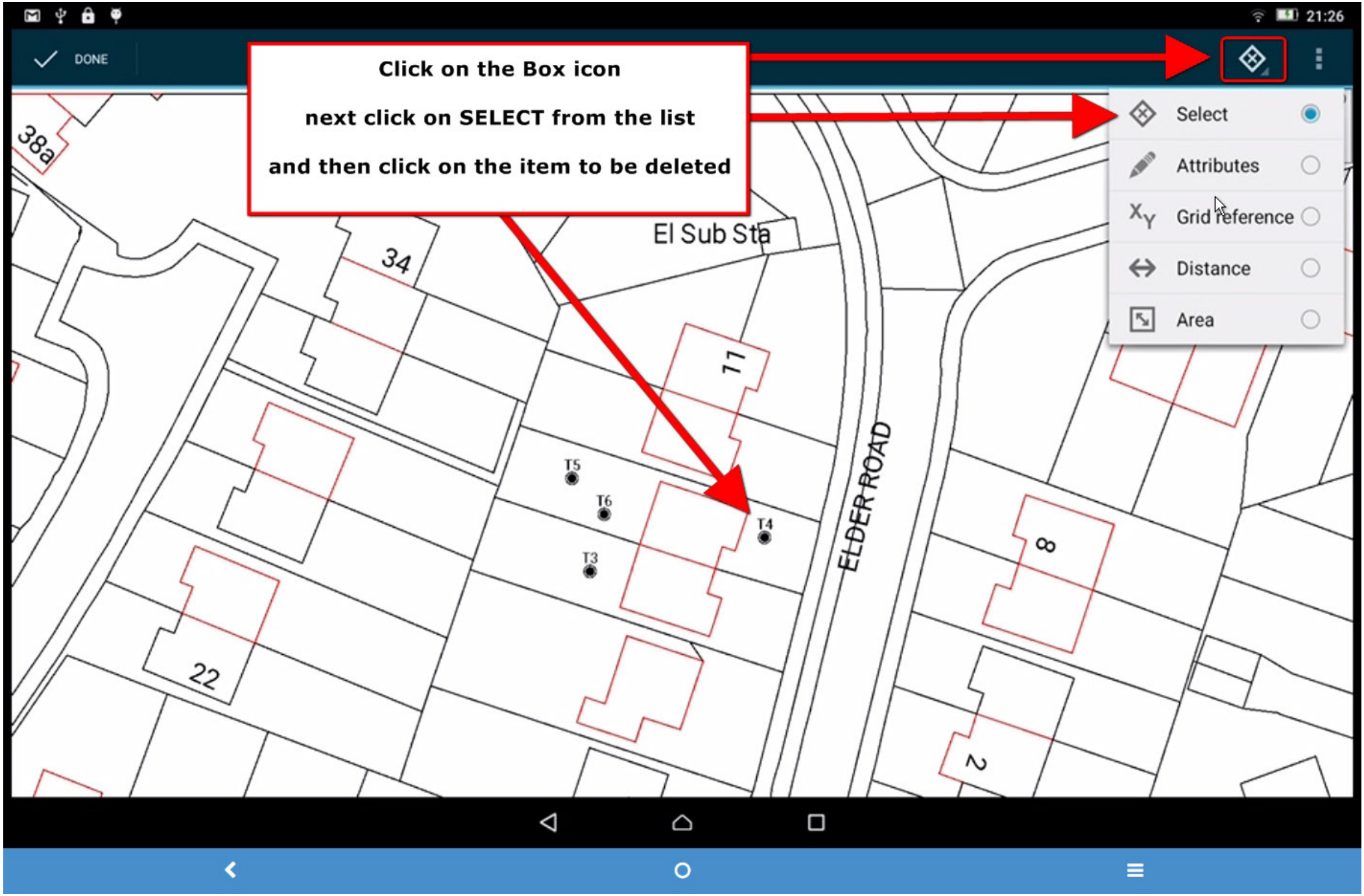
14:01
DONE
Multiselect
Navigate t
Delete feature
Pan / zoom & nav
Help
El Sub Sta
34
11
ROAD
T6
T5
T4
22
1
2
Click the 3 dots symbol and then check the MULTISELECT box


14:04
DONE
2
Once you have selected all your items you can edit their ATTRIBUTES here
e.g make them all the same Tree Type
3
This button lets you "drop" each item, starting with the one that was selected last
4
This button cancels the MULTISELECT
5
To DELETE all of the selected items, click on the 3 dots symbol and click on DELETE FEATURE
1
Click on ALL of the items that you want to change
BS5837 Survey V111
T5
T6
T4
22
2
1

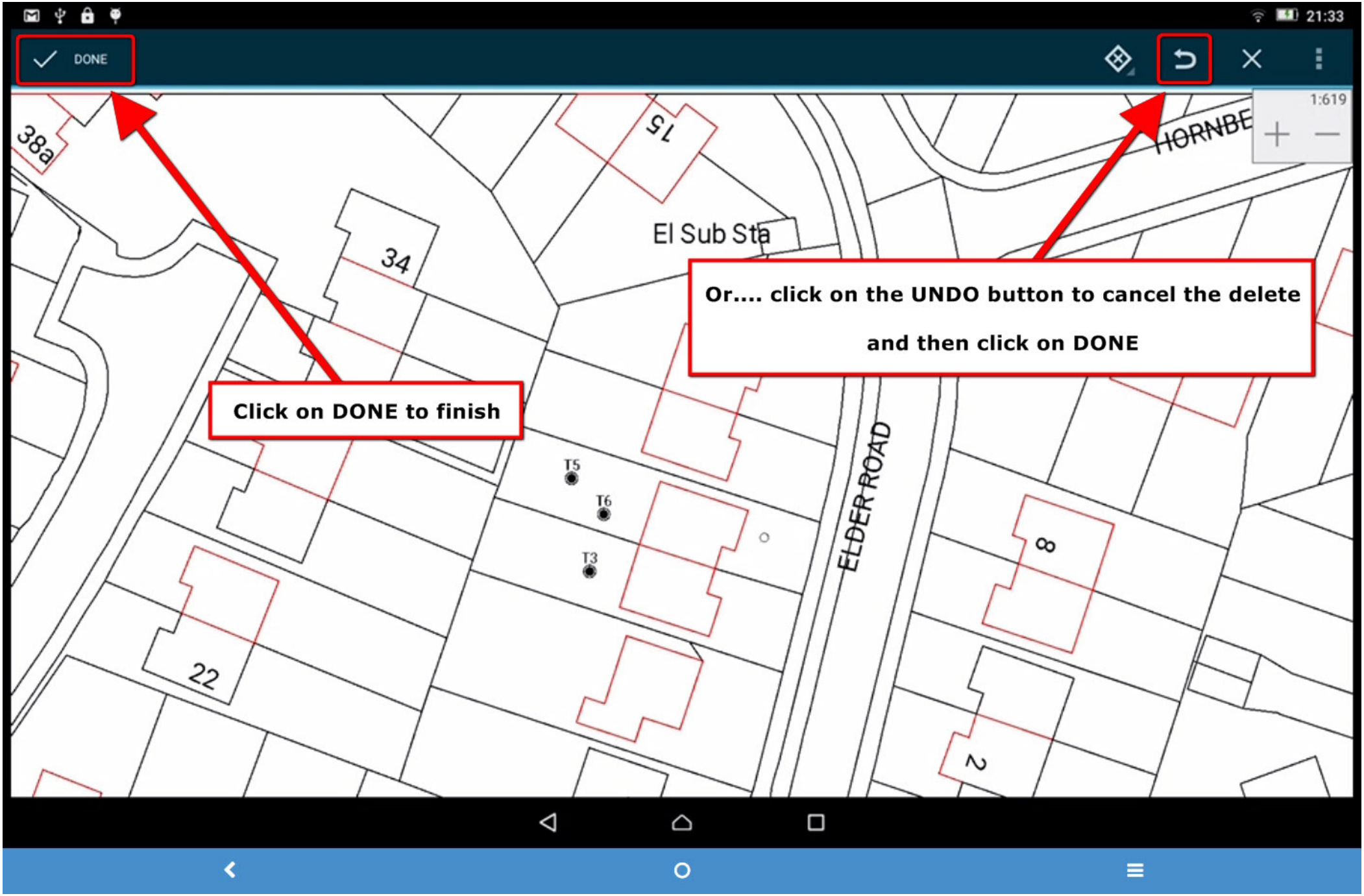

14:15
DONE
When MULTISELECT is enabled the SELECT box has a small plus sign next to it
Multiselect
Navigate to
Delete feature
Pan / zoom & nav
Help
Once you have finished using MULTISELECT
remember to click on the 3 dots symbol
and untick the MULTISELECT box
then click DONE
El Sub Sta
34
22
8
2
1

9. Deleting surveyed items

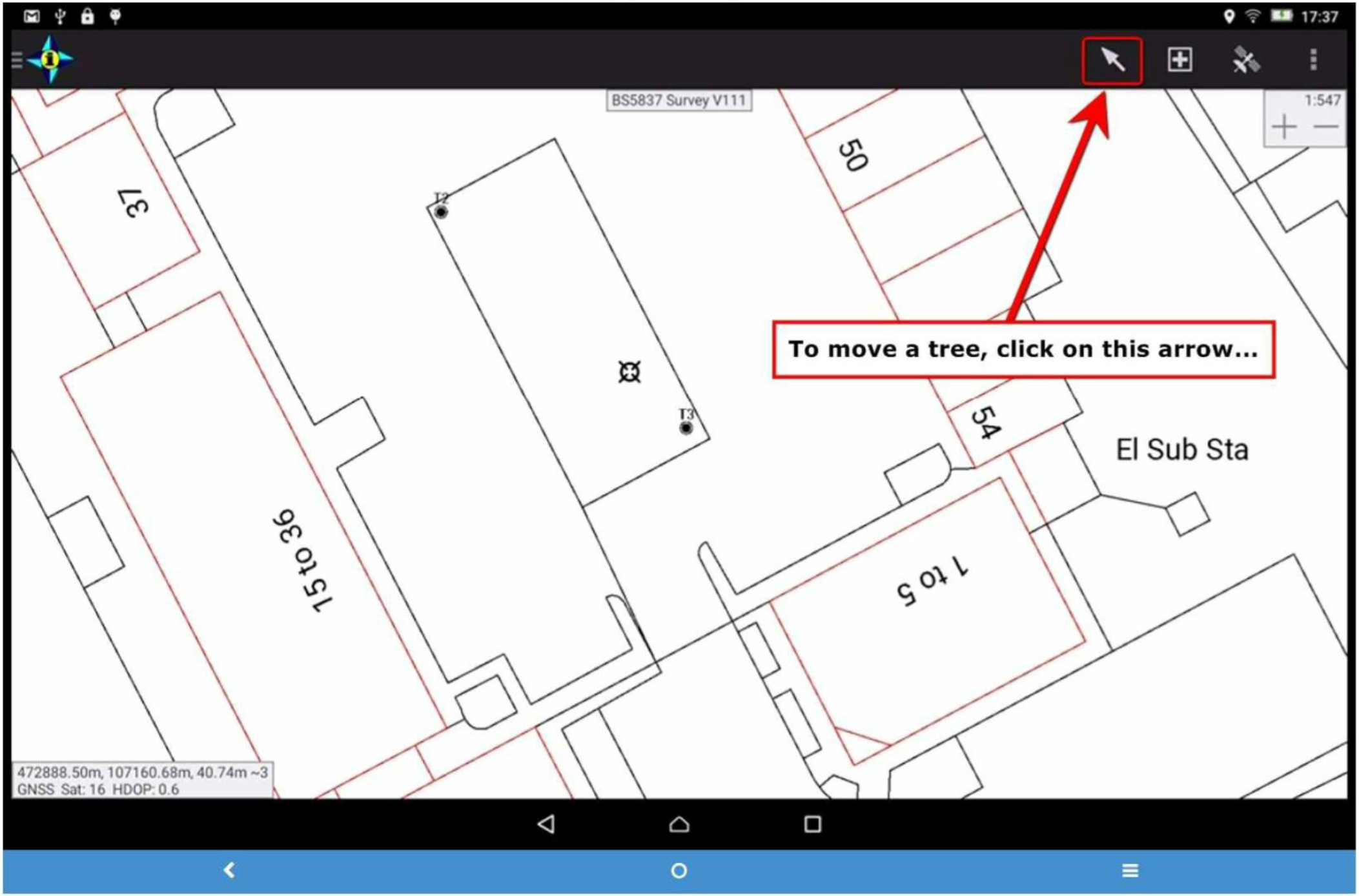


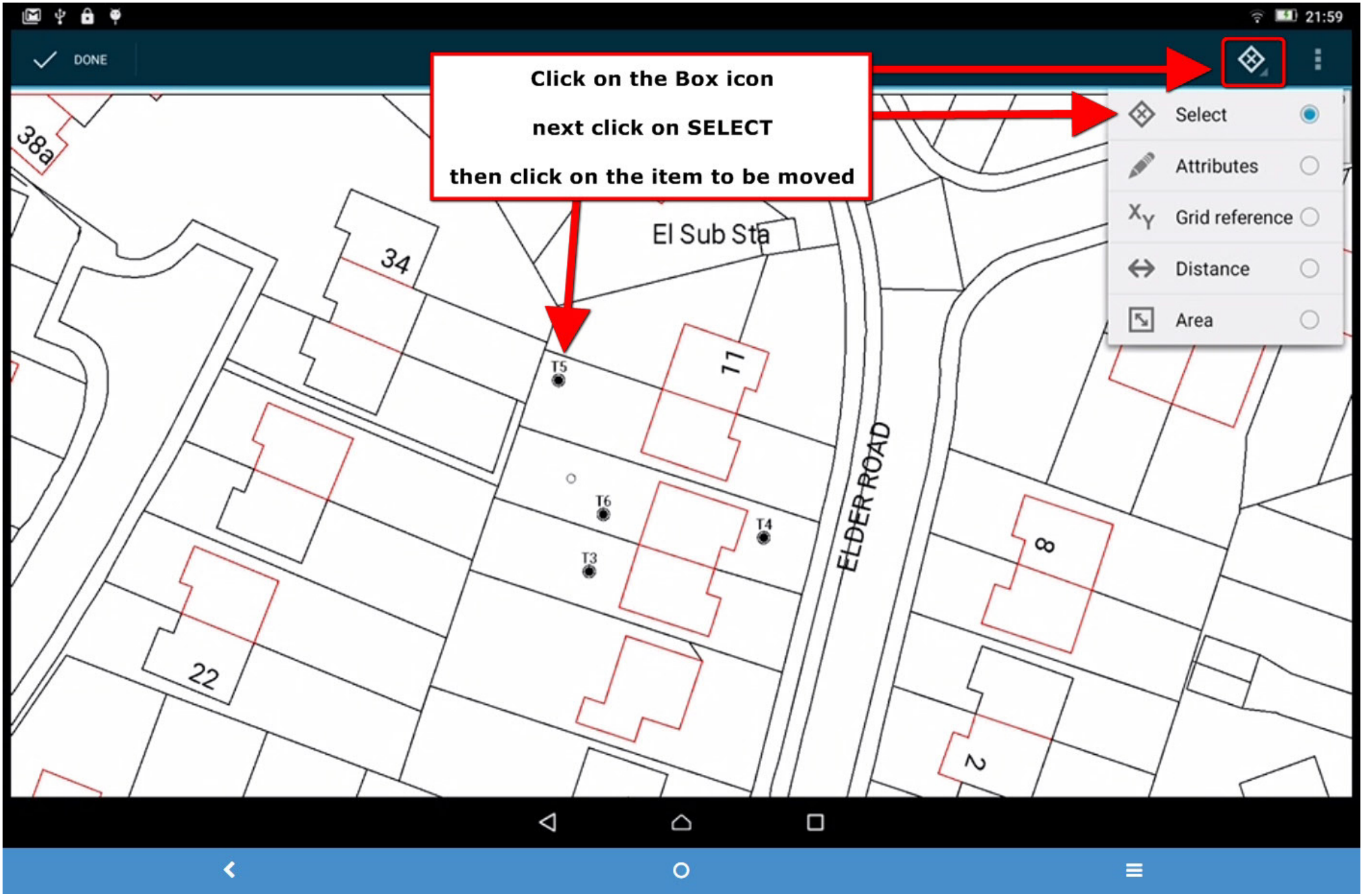

21:26
DONE
Click on the Box icon
next click on SELECT from the list
and then click on the item to be deleted
Select
Attributes
Grid reference
Distance
Area
38a
34
El Sub Sta
11
T5
T6
T4
T3
ELDER ROAD
8
22
2

21:29
DONE
Multiselect
Navigate to
Delete feature
Pan / zoom & nav
Help
Once you have selected the item to delete
click on the 3 dots symbol
and click on DELETE FEATURE
BS5837 Survey V111
T5
T6
T3
38a
15
11
8
22
2

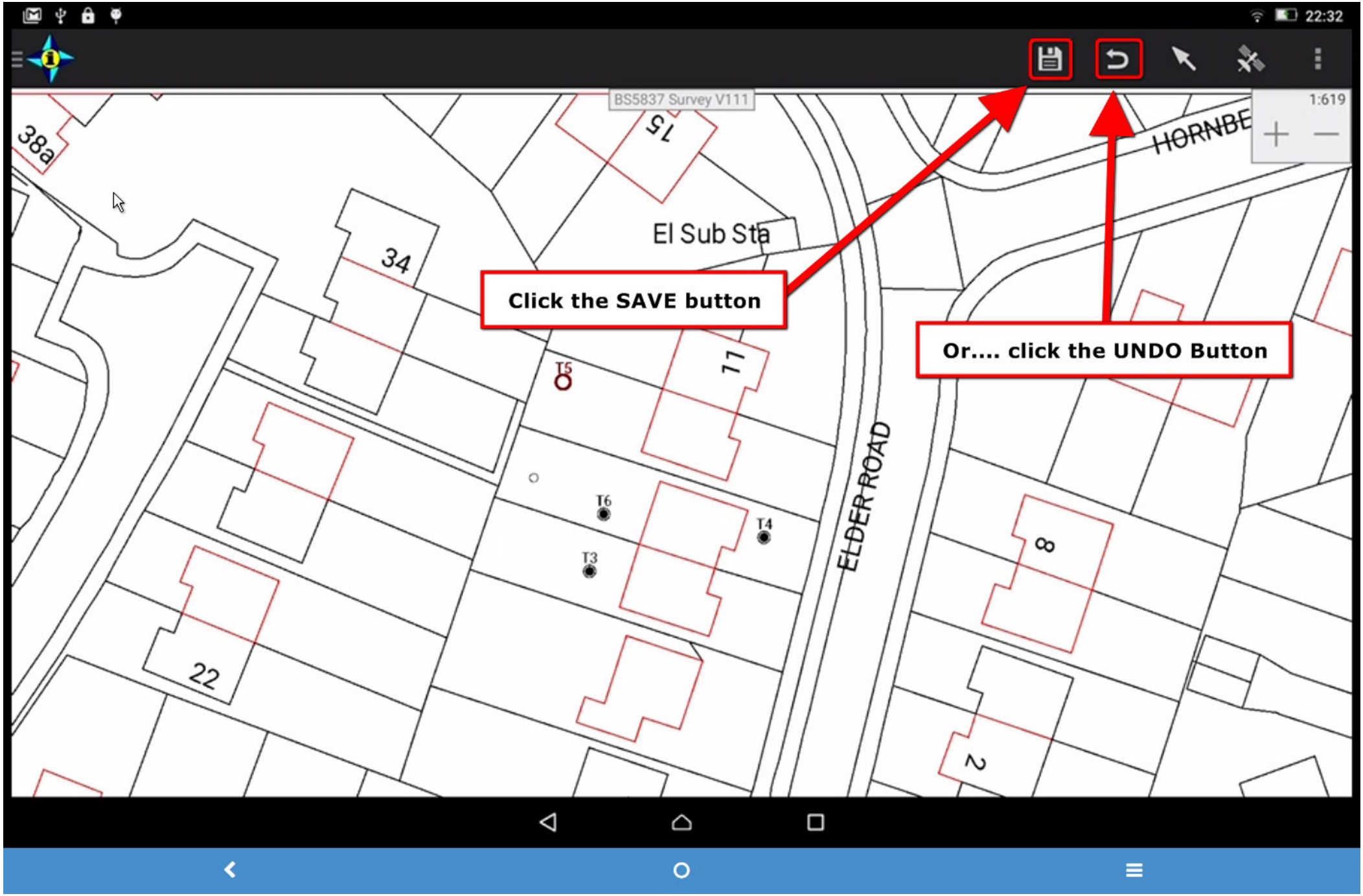

21:33
DONE
1:619
38a
15
El Sub Sta
34
HORNBE
Or.... click on the UNDO button to cancel the delete
and then click on DONE
Click on DONE to finish
T5
T6
T3
ELDER ROAD
8
22
2

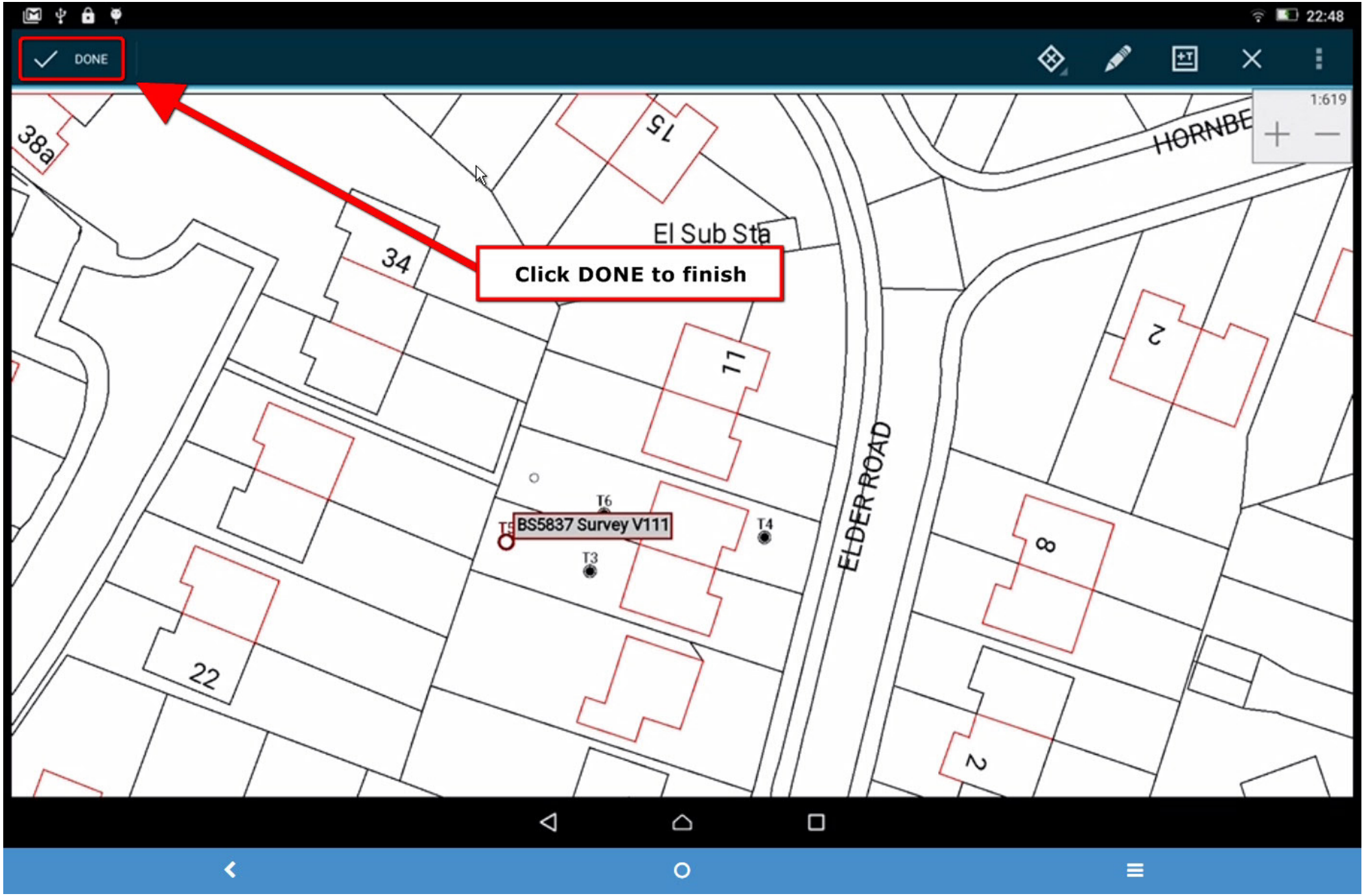
10. Moving surveyed items



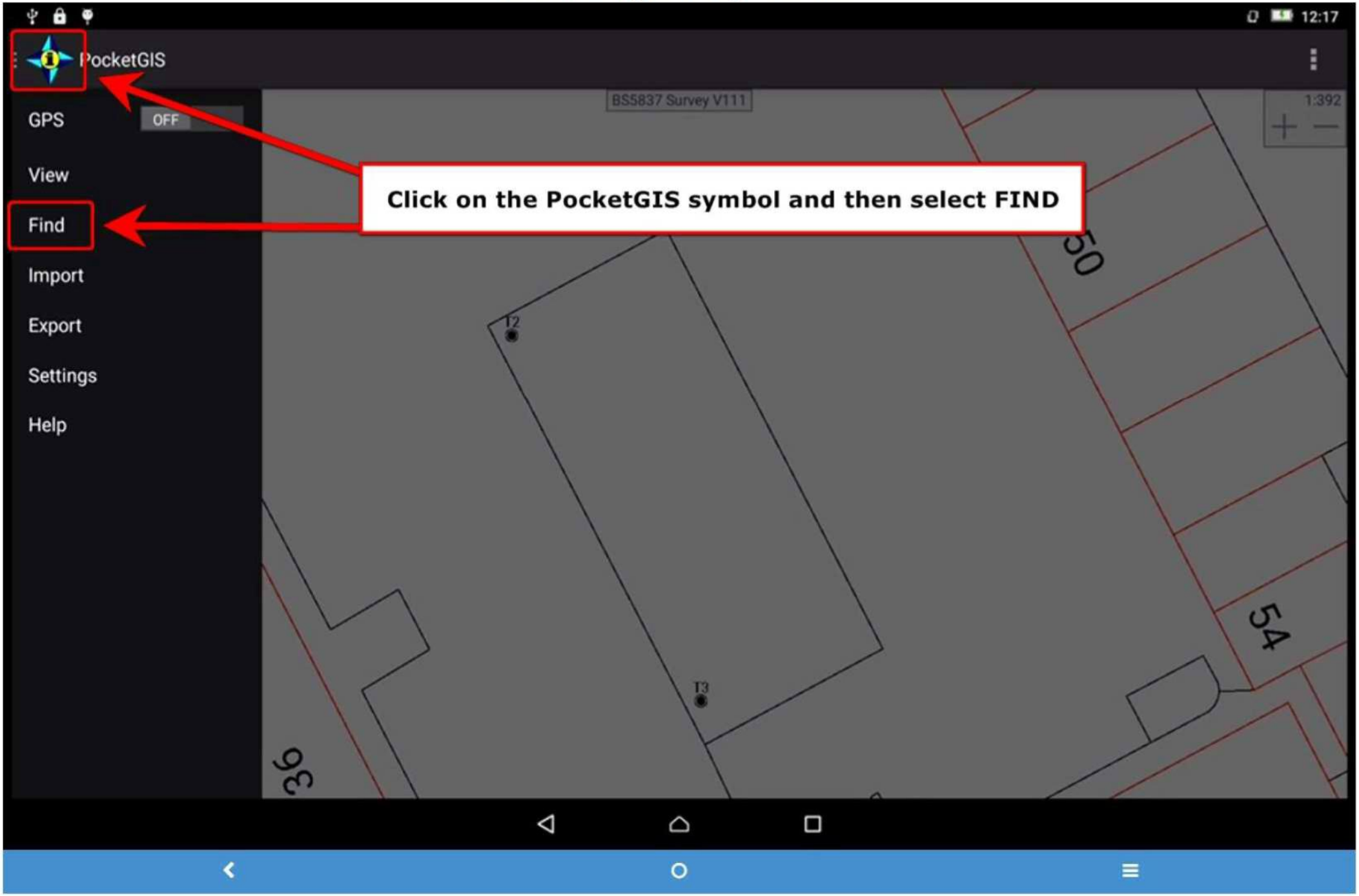

21:59
DONE
Click on the Box icon
next click on SELECT
then click on the item to be moved
Select
Attributes
Grid reference
Distance
Area
38a
34
El Sub Sta
T5
11
T6
T4
T3
ELDER ROAD
8
22
2

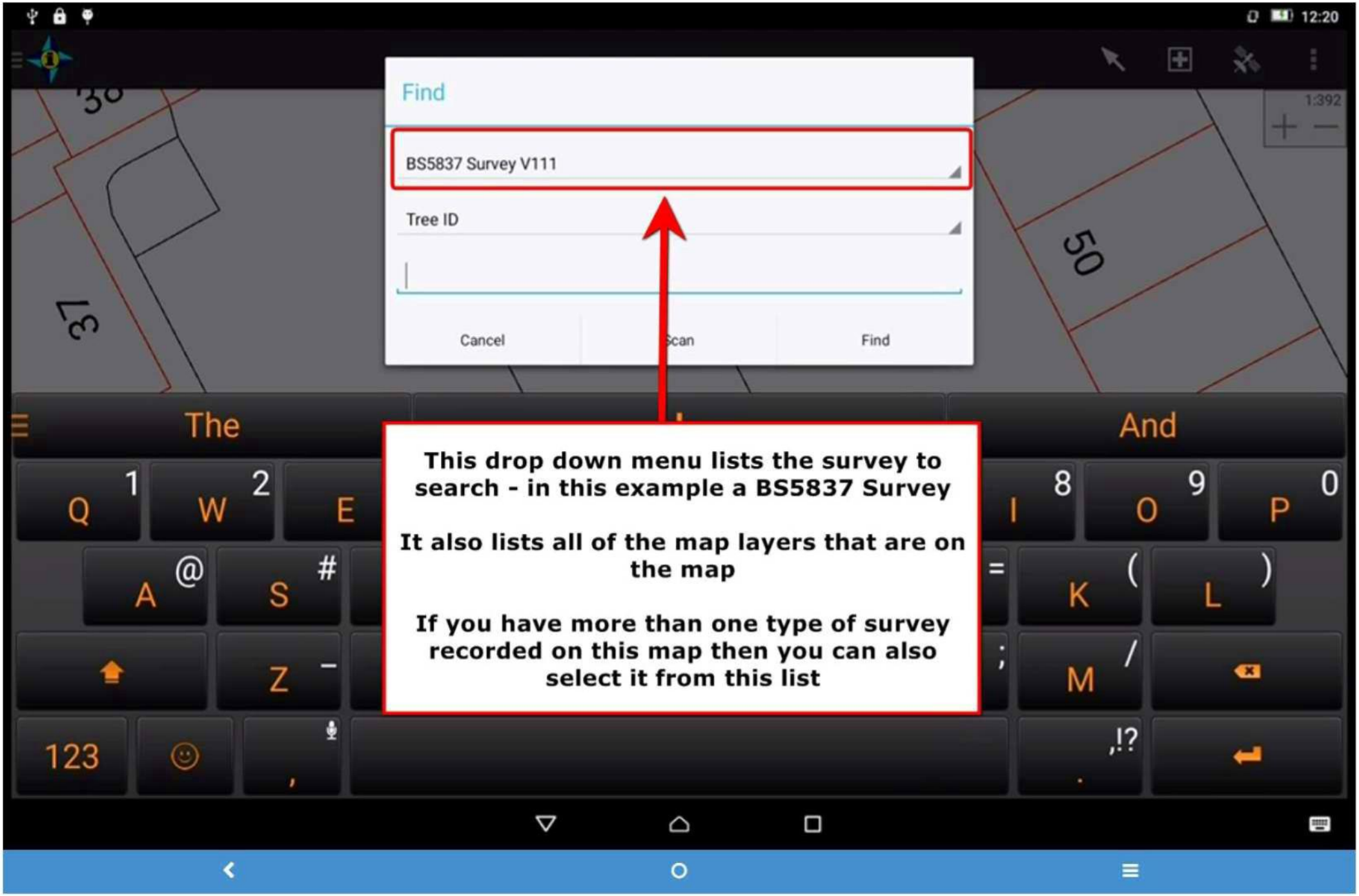
22:40
DONE
1:619
38a
15
El Sub Sta
HORN
Click on the GEOMETRY button
then click on the new location to move the tree
Or click this button to cancel the move
BS5837 Survey V111
T6
T4
T3
ELDER ROAD
8
22
2

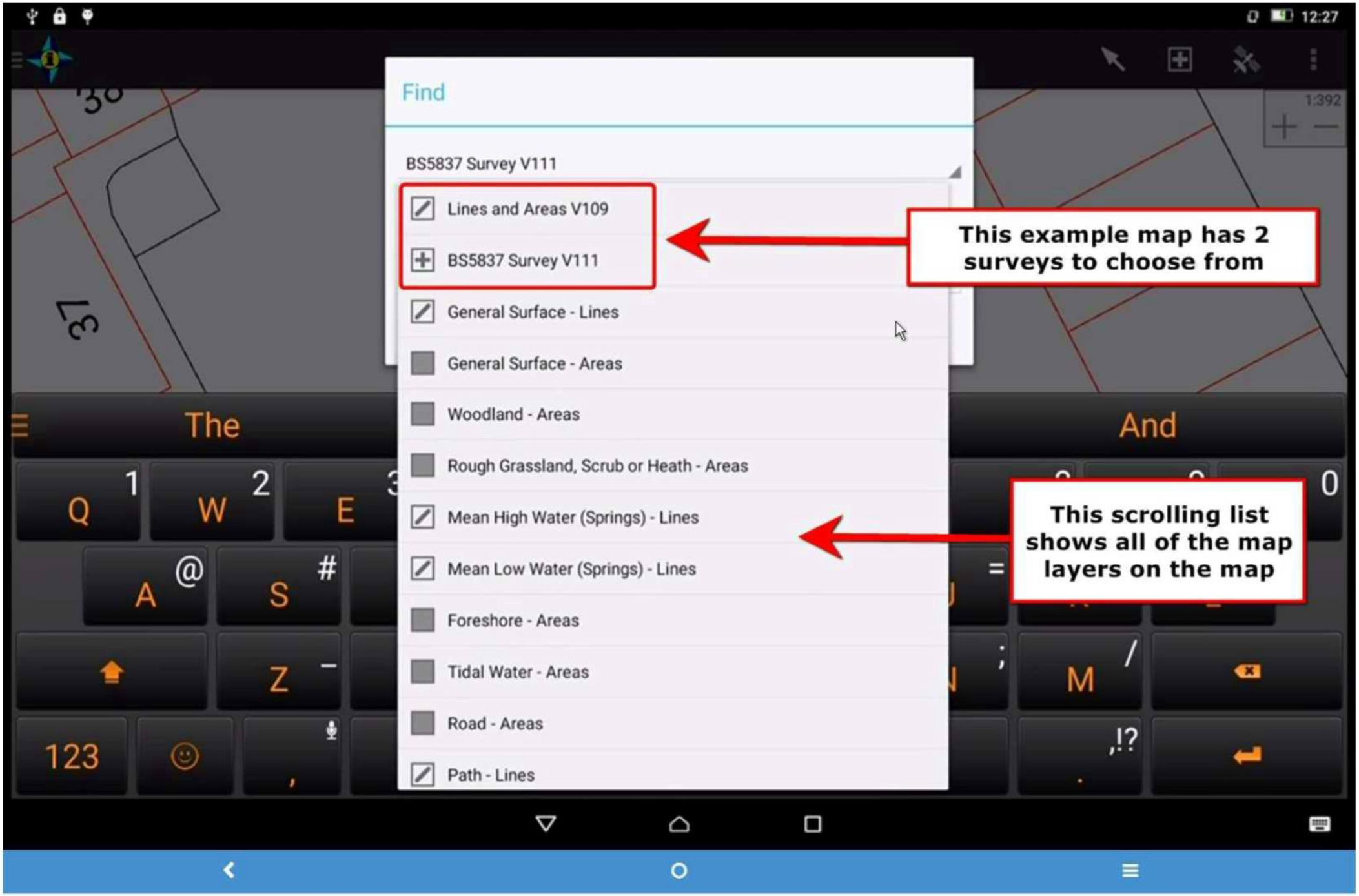

22:32
BS5837 Survey V111
1:619
HORNBE
38a
15
El Sub Sta
34
Click the SAVE button
Or.... click the UNDO Button
T5
11
ELDER ROAD
T6
T4
T3
8
22
2

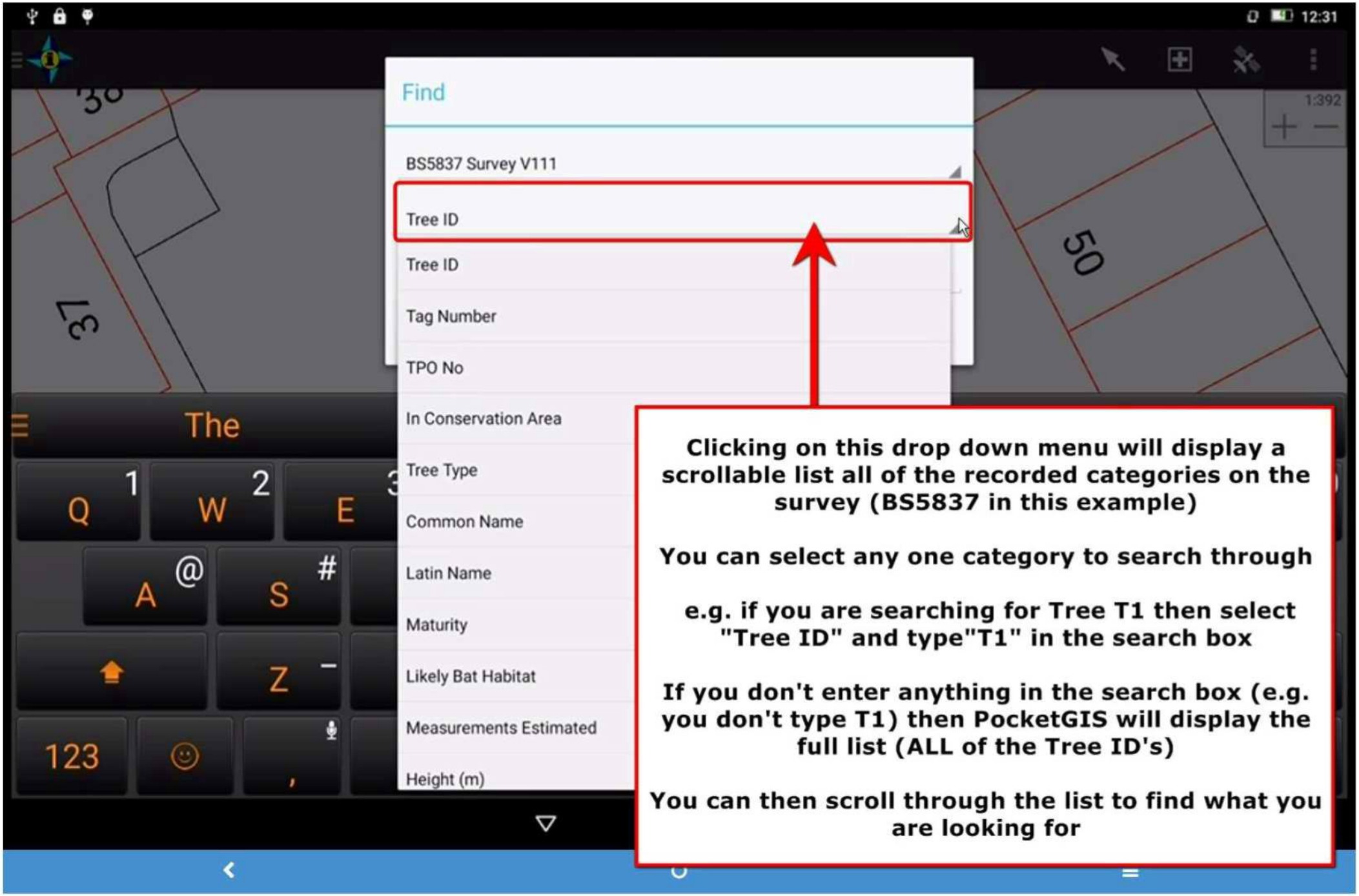

22:48
DONE
1:619
38a
15
HORNBE
El Sub Sta
34
Click DONE to finish
11
2
ELDER ROAD
T6
T5
BS5837 Survey V111
T4
T3
8
22
2

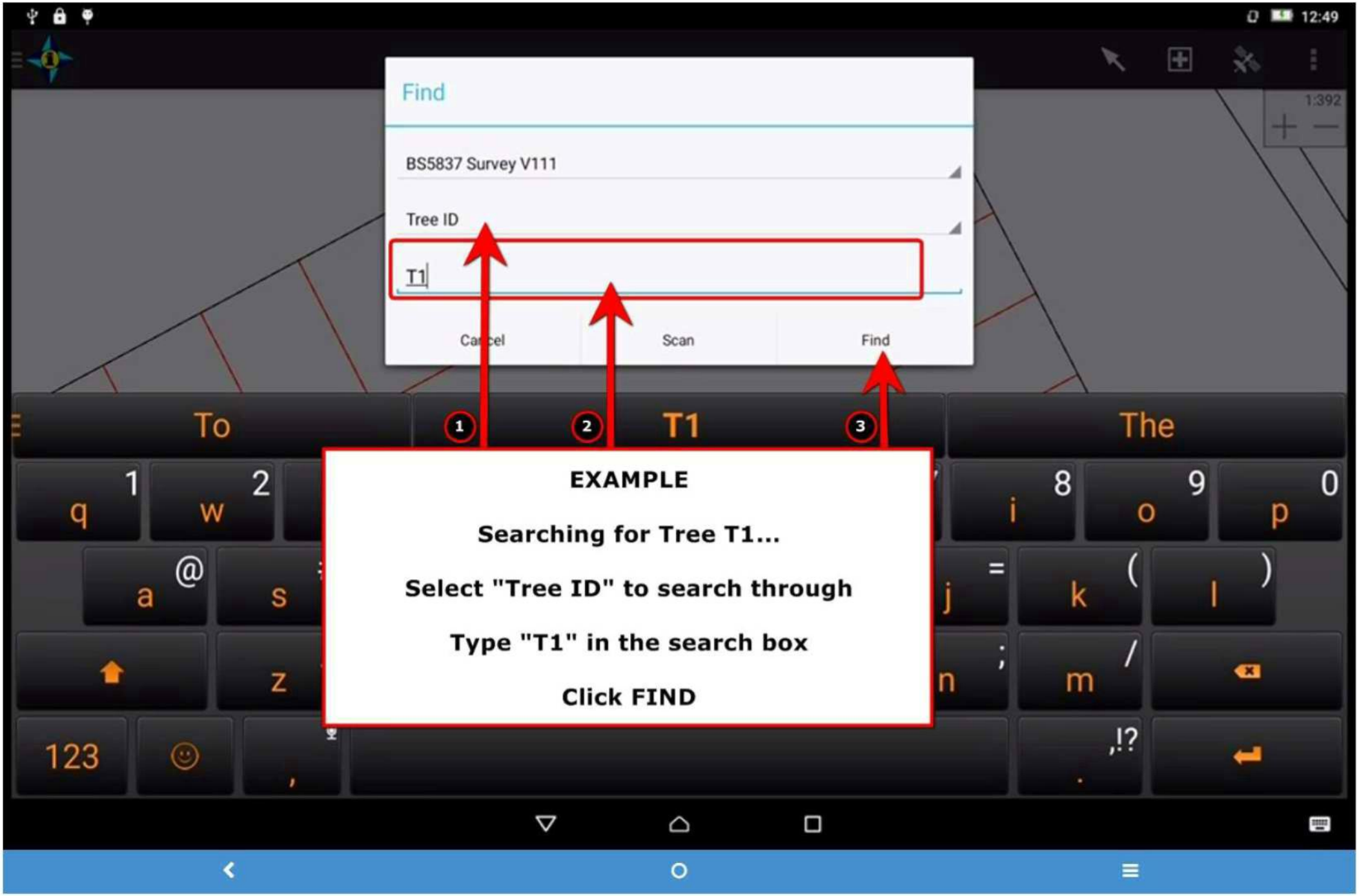
11. Finding surveyed items

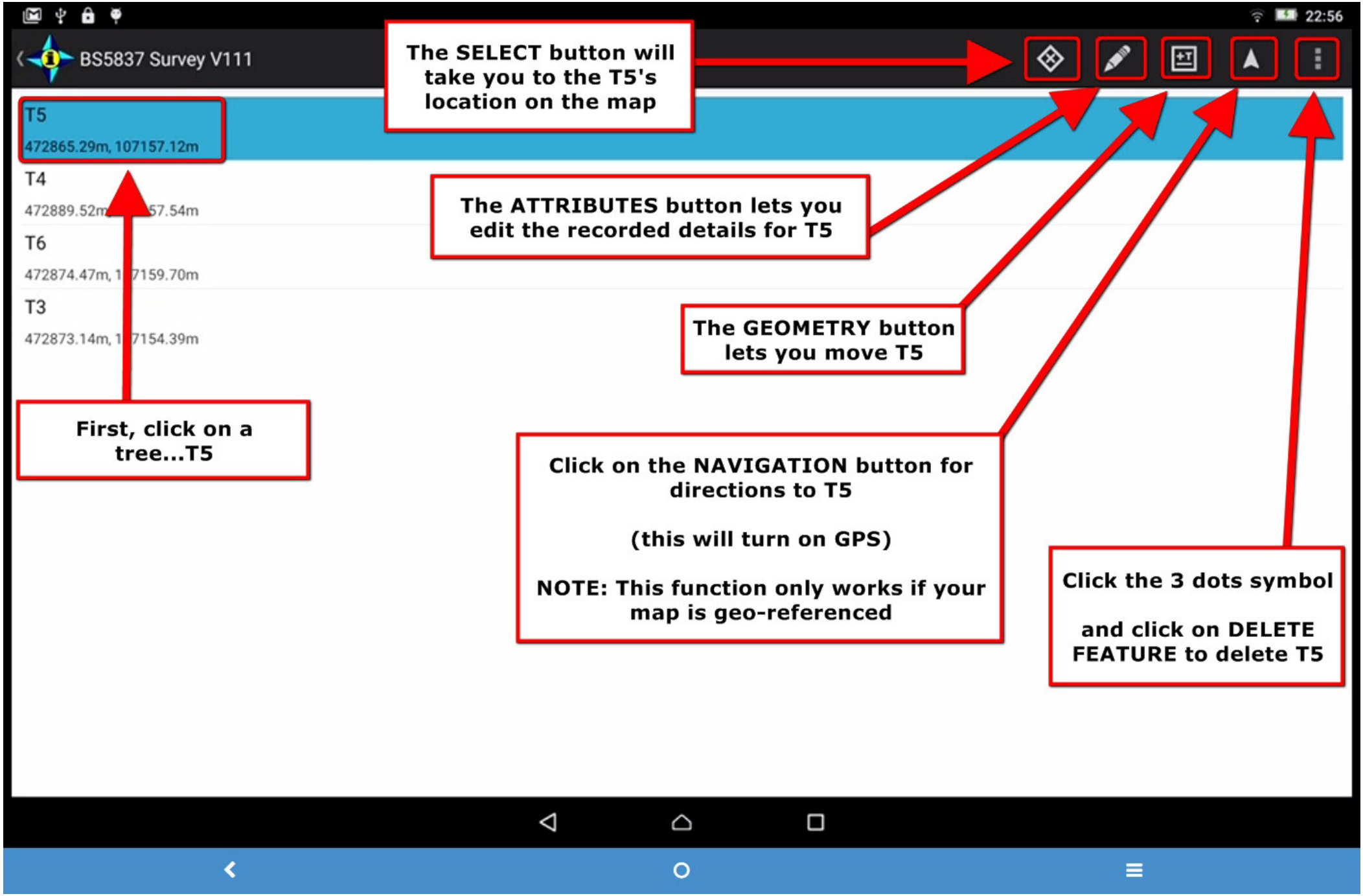


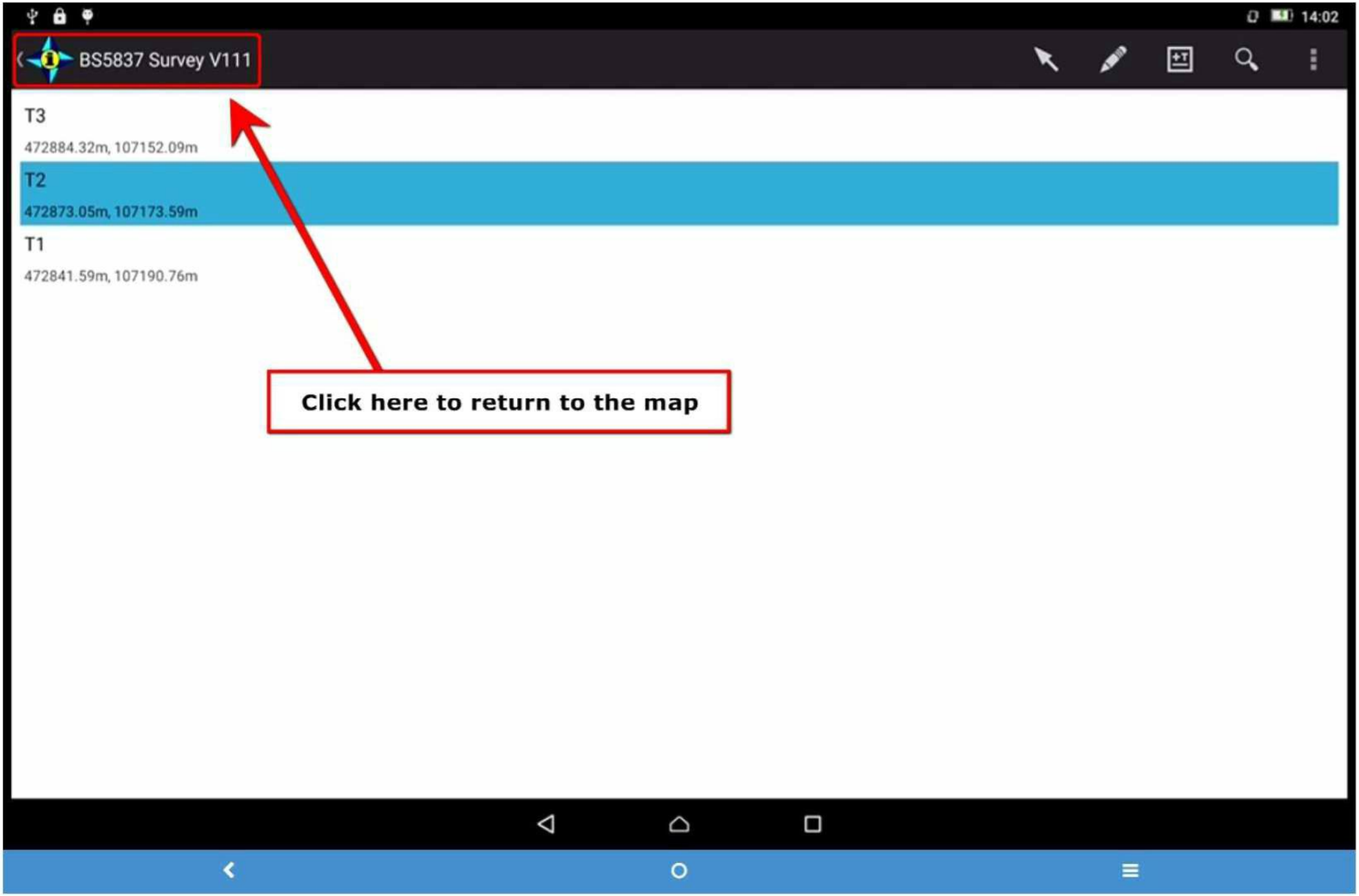

12:20
Find
BS5837 Survey V111
Tree ID
Cancel
Scan
Find
1:392
50
37
This drop down menu lists the survey to search - in this example a BS5837 Survey
It also lists all of the map layers that are on the map
If you have more than one type of survey recorded on this map then you can also select it from this list

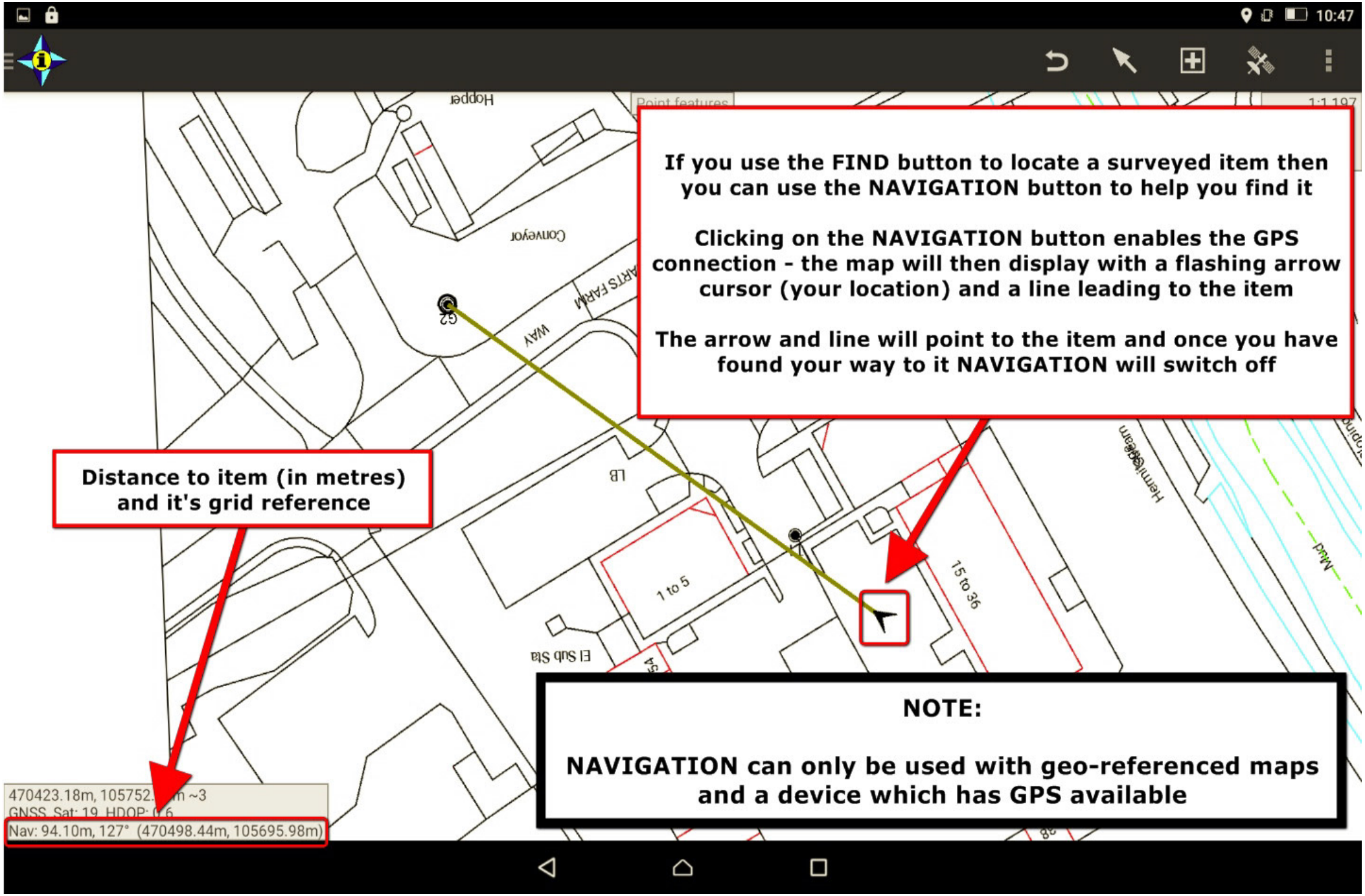

12:27
Find
BS5837 Survey V111
Lines and Areas V109
BS5837 Survey V111
General Surface - Lines
General Surface - Areas
Woodland - Areas
Rough Grassland, Scrub or Heath - Areas
Mean High Water (Springs) - Lines
Mean Low Water (Springs) - Lines
Foreshore - Areas
Tidal Water - Areas
Road - Areas
Path - Lines
This example map has 2 surveys to choose from
This scrolling list shows all of the map layers on the map
1:392
The
And

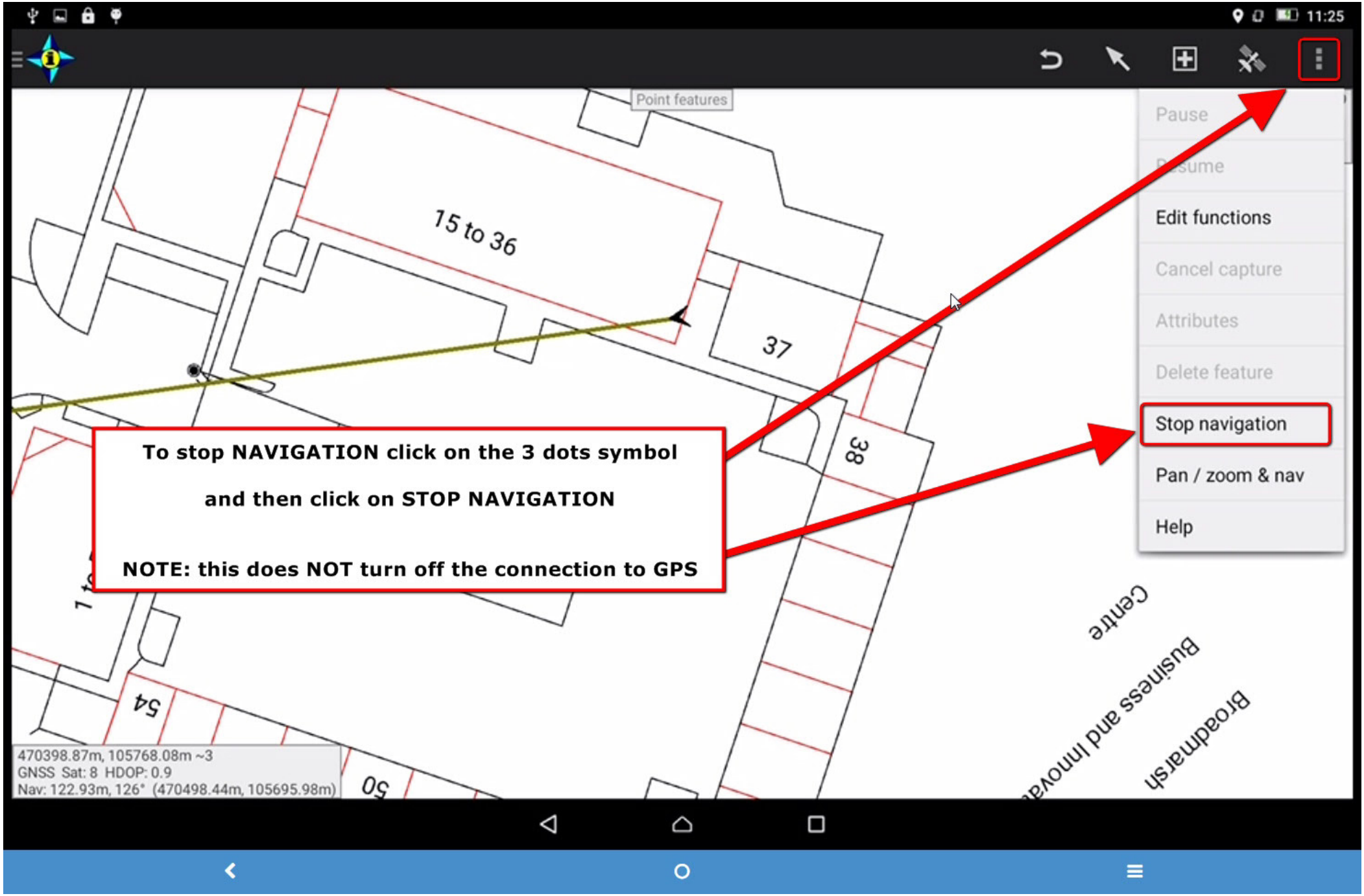

12:31
Find
BS5837 Survey V111
Tree ID
Tree ID
Tag Number
TPO No
In Conservation Area
Tree Type
Common Name
Latin Name
Maturity
Likely Bat Habitat
Measurements Estimated
Height (m)
1:392
50
37
The
Clicking on this drop down menu will display a scrollable list all of the recorded categories on the survey (BS5837 in this example)
You can select any one category to search through
e.g. if you are searching for Tree T1 then select "Tree ID" and type"T1" in the search box
If you don't enter anything in the search box (e.g. you don't type T1) then PocketGIS will display the full list (ALL of the Tree ID's)
You can then scroll through the list to find what you are looking for

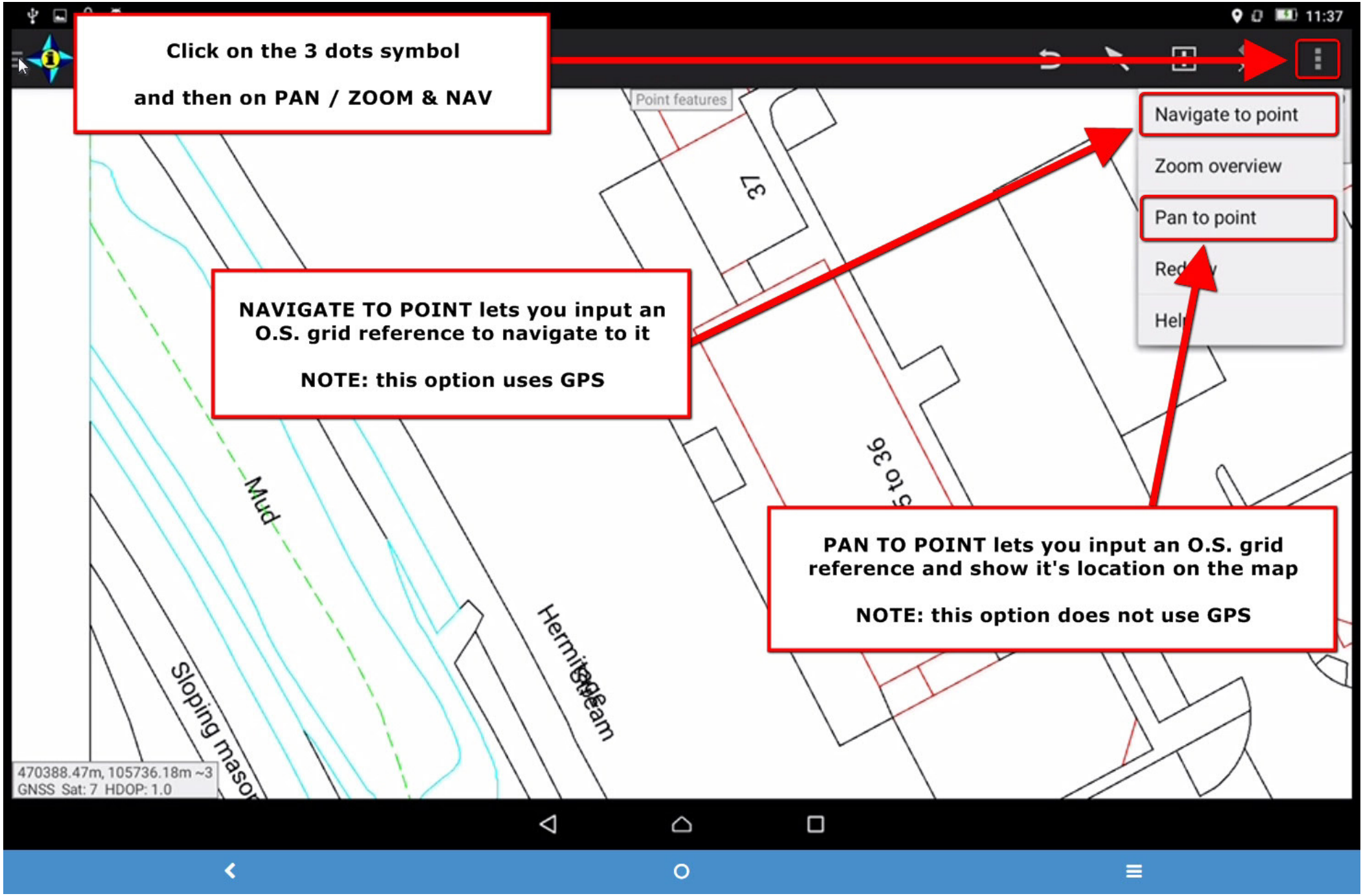

12:49
Find
BS5837 Survey V111
Tree ID
T1
Cancel
Scan
Find
1:392
To
T1
The
1
2
3
EXAMPLE
Searching for Tree T1...
Select "Tree ID" to search through
Type "T1" in the search box
Click FIND


22:56
BS5837 Survey V111
The SELECT button will take you to the T5's location on the map
T5
472865.29m, 107157.12m
T4
472889.52m
57.54m
T6
472874.47m, 1
7159.70m
T3
472873.14m, 1
7154.39m
The ATTRIBUTES button lets you edit the recorded details for T5
The GEOMETRY button lets you move T5
First, click on a tree...T5
Click on the NAVIGATION button for directions to T5
(this will turn on GPS)
NOTE: This function only works if your map is geo-referenced
Click the 3 dots symbol
and click on DELETE FEATURE to delete T5

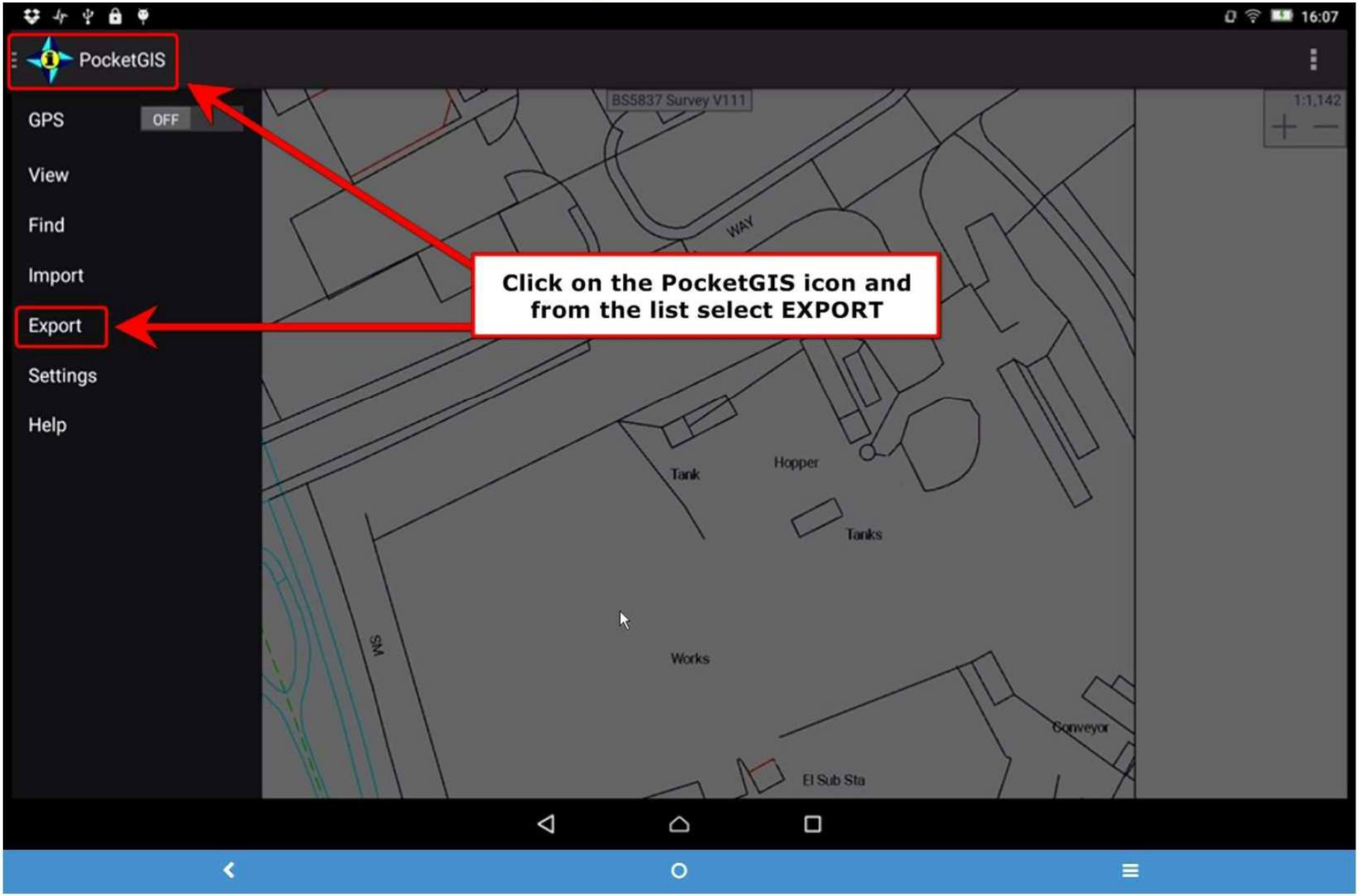

14:02
BS5837 Survey V111
T3
472884.32m, 107152.09m
T2
472873.05m, 107173.59m
T1
472841.59m, 107190.76m
Click here to return to the map

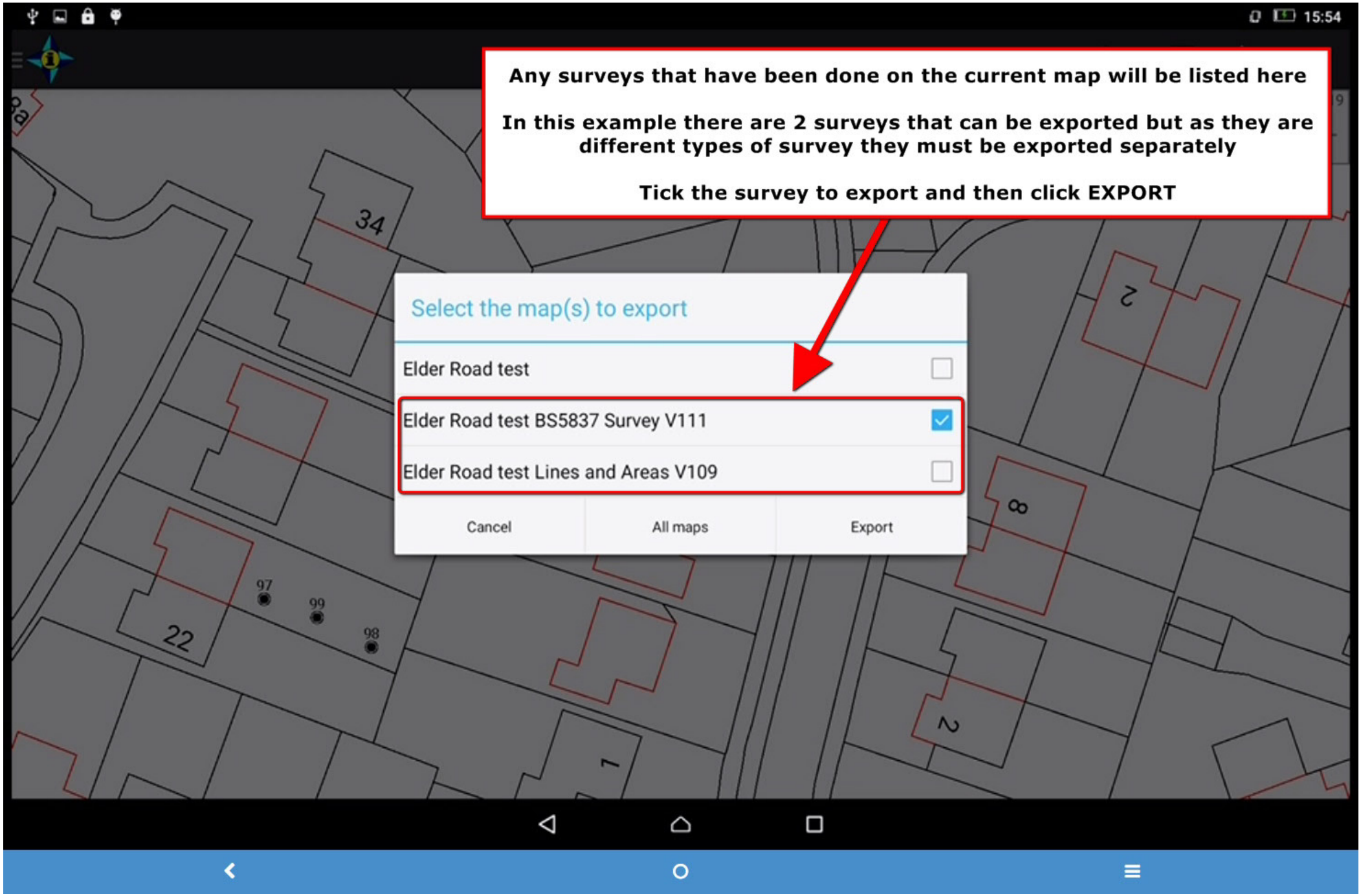

10:47
If you use the FIND button to locate a surveyed item then you can use the NAVIGATION button to help you find it
Clicking on the NAVIGATION button enables the GPS connection - the map will then display with a flashing arrow cursor (your location) and a line leading to the item
The arrow and line will point to the item and once you have found your way to it NAVIGATION will switch off
Distance to item (in metres) and it's grid reference
NOTE:
NAVIGATION can only be used with geo-referenced maps and a device which has GPS available
Nav: 94.10m, 127° (470498.44m, 105695.98m)

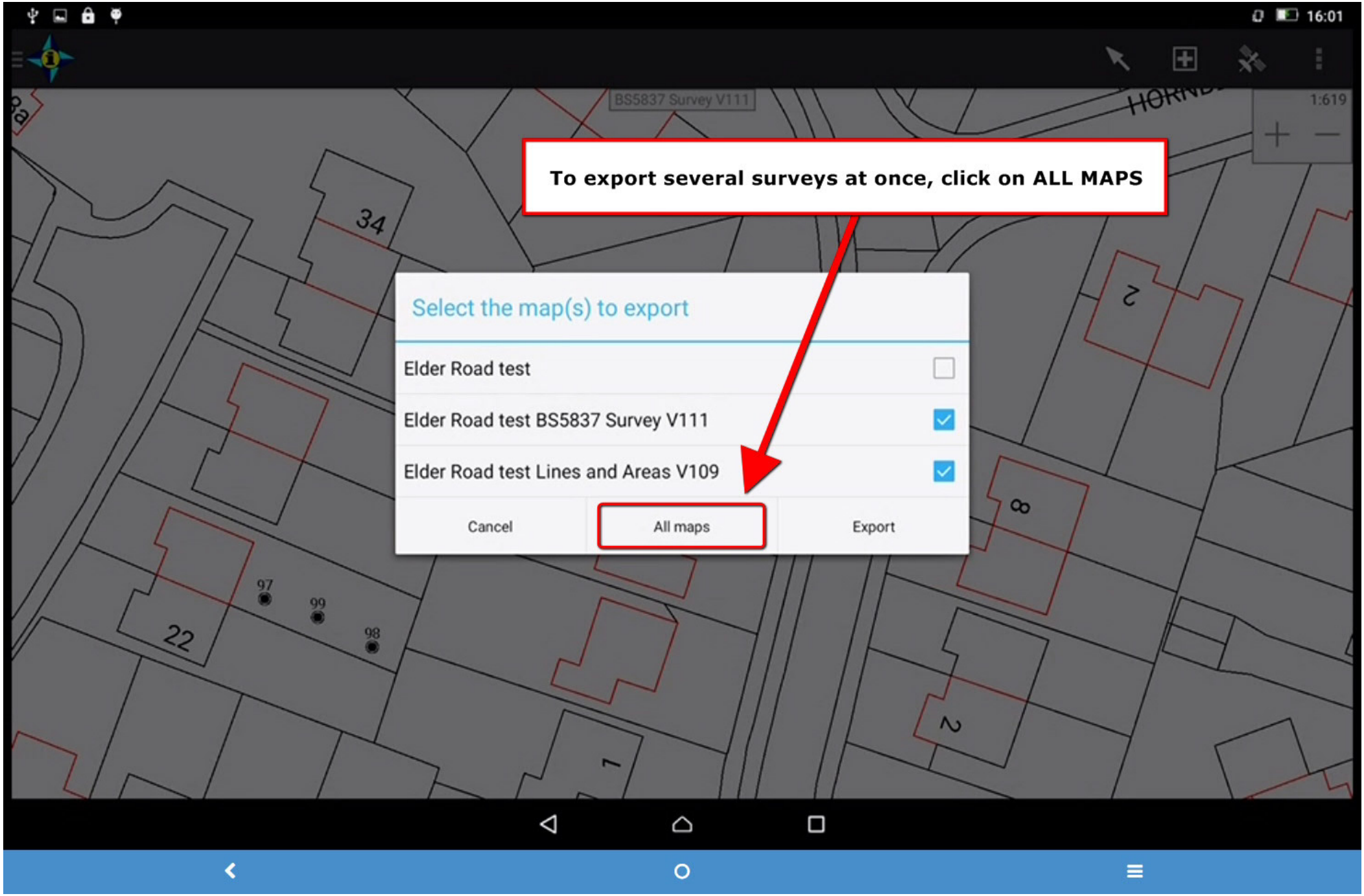

11:25
Point features
15 to 36
37
38
54
50
Pause
Resume
Edit functions
Cancel capture
Attributes
Delete feature
Stop navigation
Pan / zoom & nav
Help
To stop NAVIGATION click on the 3 dots symbol
and then click on STOP NAVIGATION
NOTE: this does NOT turn off the connection to GPS
Centre
Business and Innova
Broadmarsh
470398.87m, 105768.08m ~3
GNSS Sat: 8 HDOP: 0.9
Nav: 122.93m, 126° (470498.44m, 105695.98m)

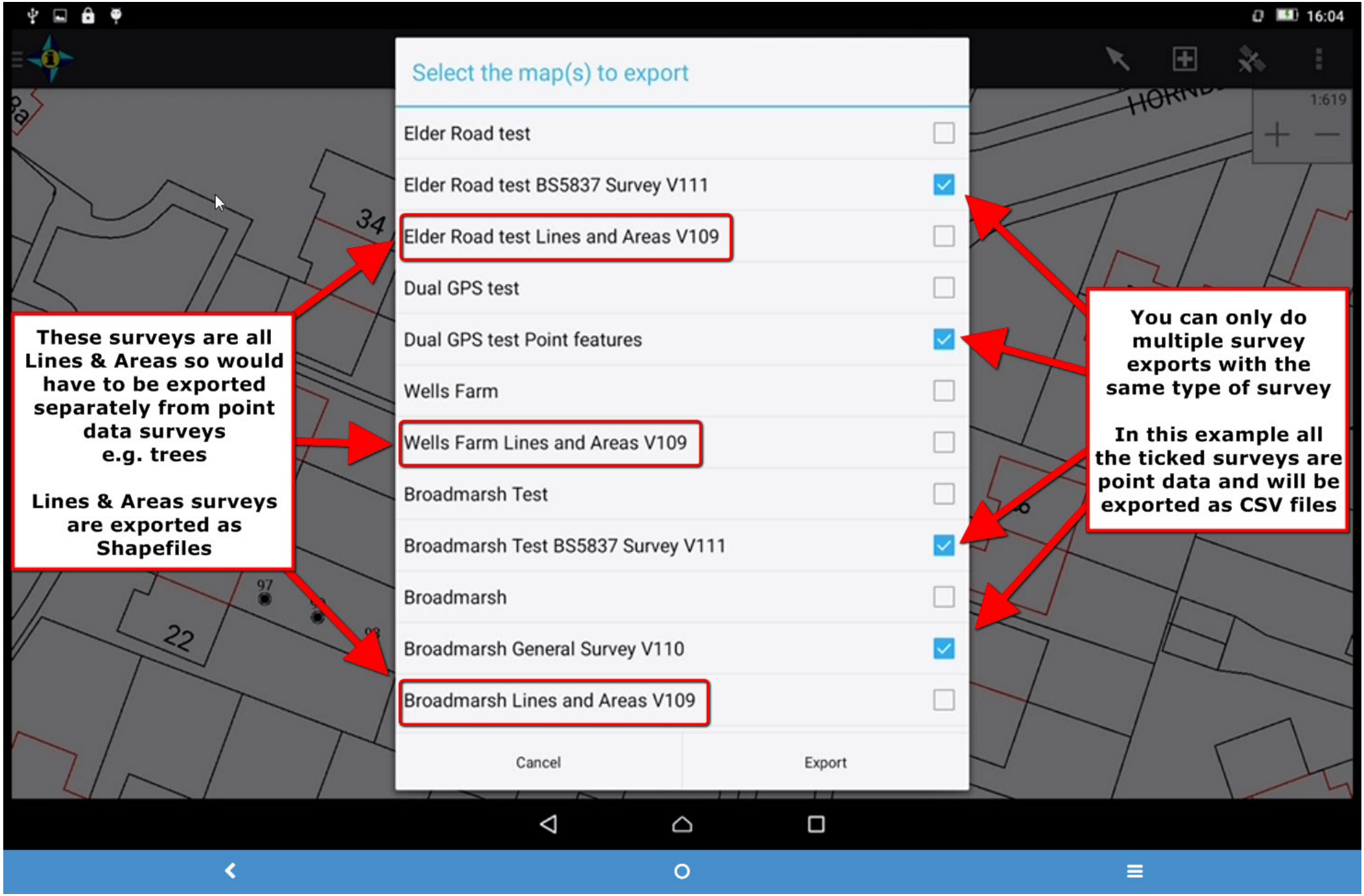

11:37
Click on the 3 dots symbol
and then on PAN / ZOOM & NAV
Point features
Navigate to point
Zoom overview
Pan to point
NAVIGATE TO POINT lets you input an O.S. grid reference to navigate to it
NOTE: this option uses GPS
PAN TO POINT lets you input an O.S. grid reference and show it's location on the map
NOTE: this option does not use GPS
37
Mud
Sloping mason
470388.47m, 105736.18m ~3
GNSS Sat: 7 HDOP: 1.0

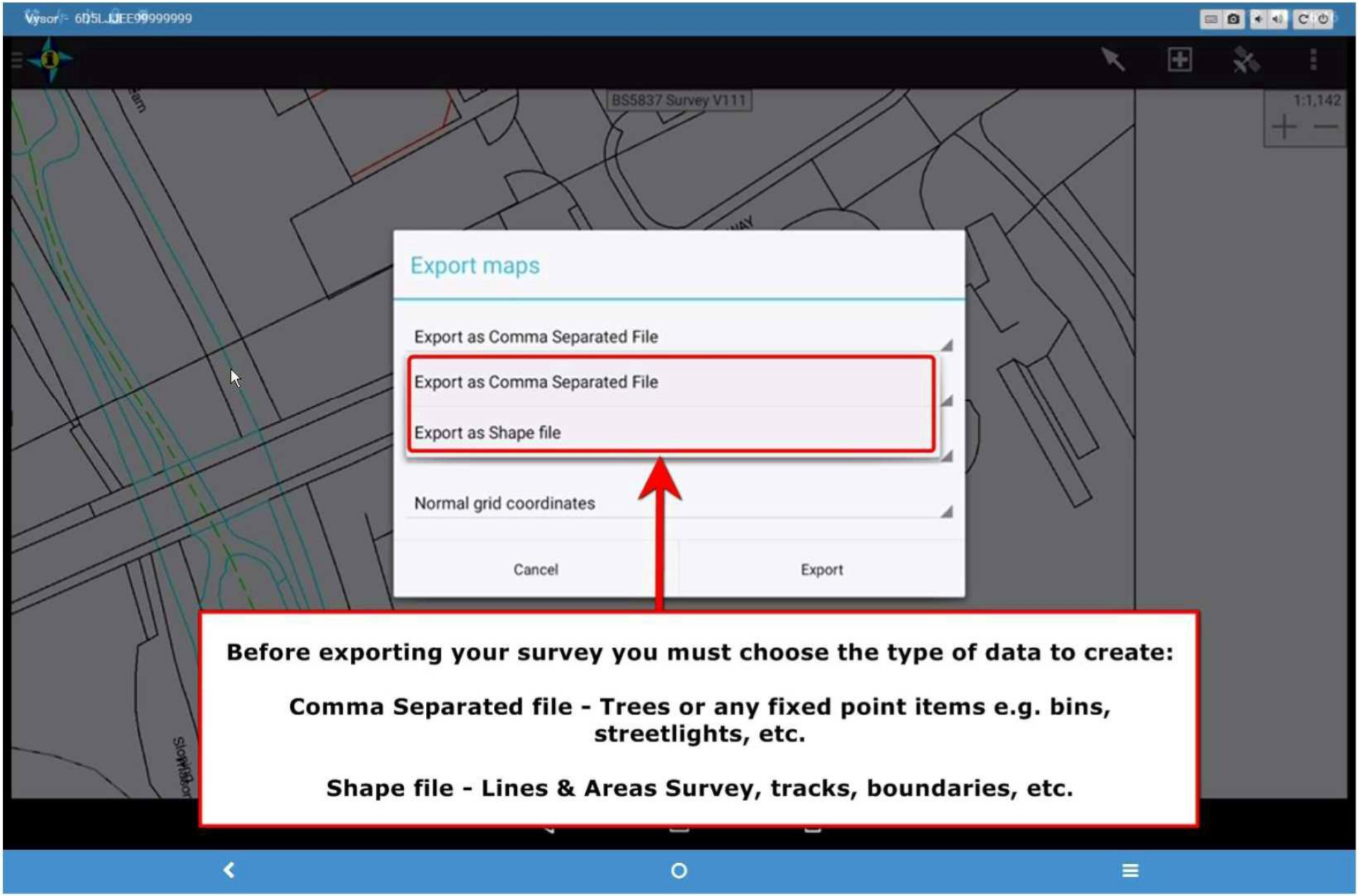
12. Exporting survey data

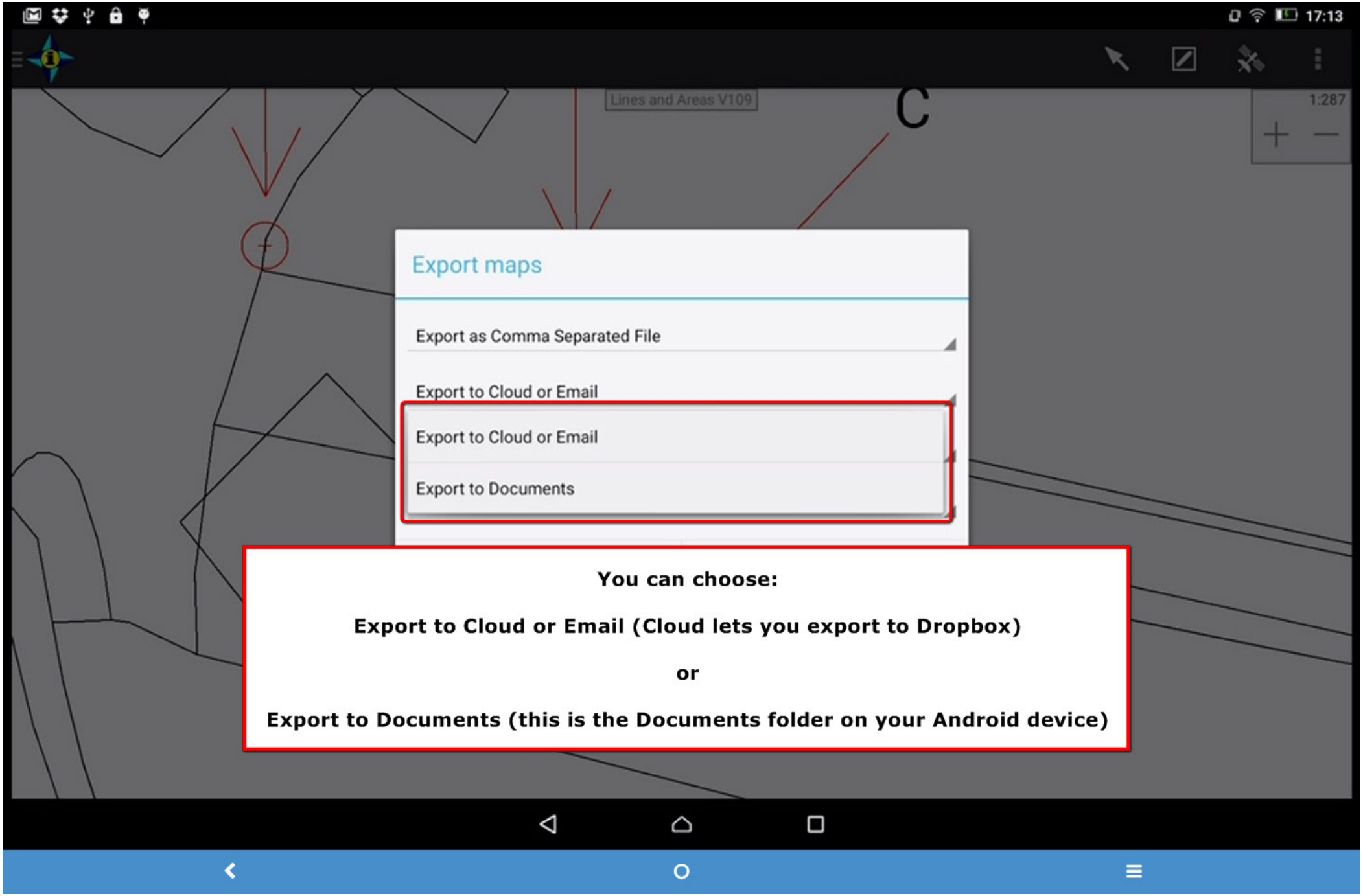


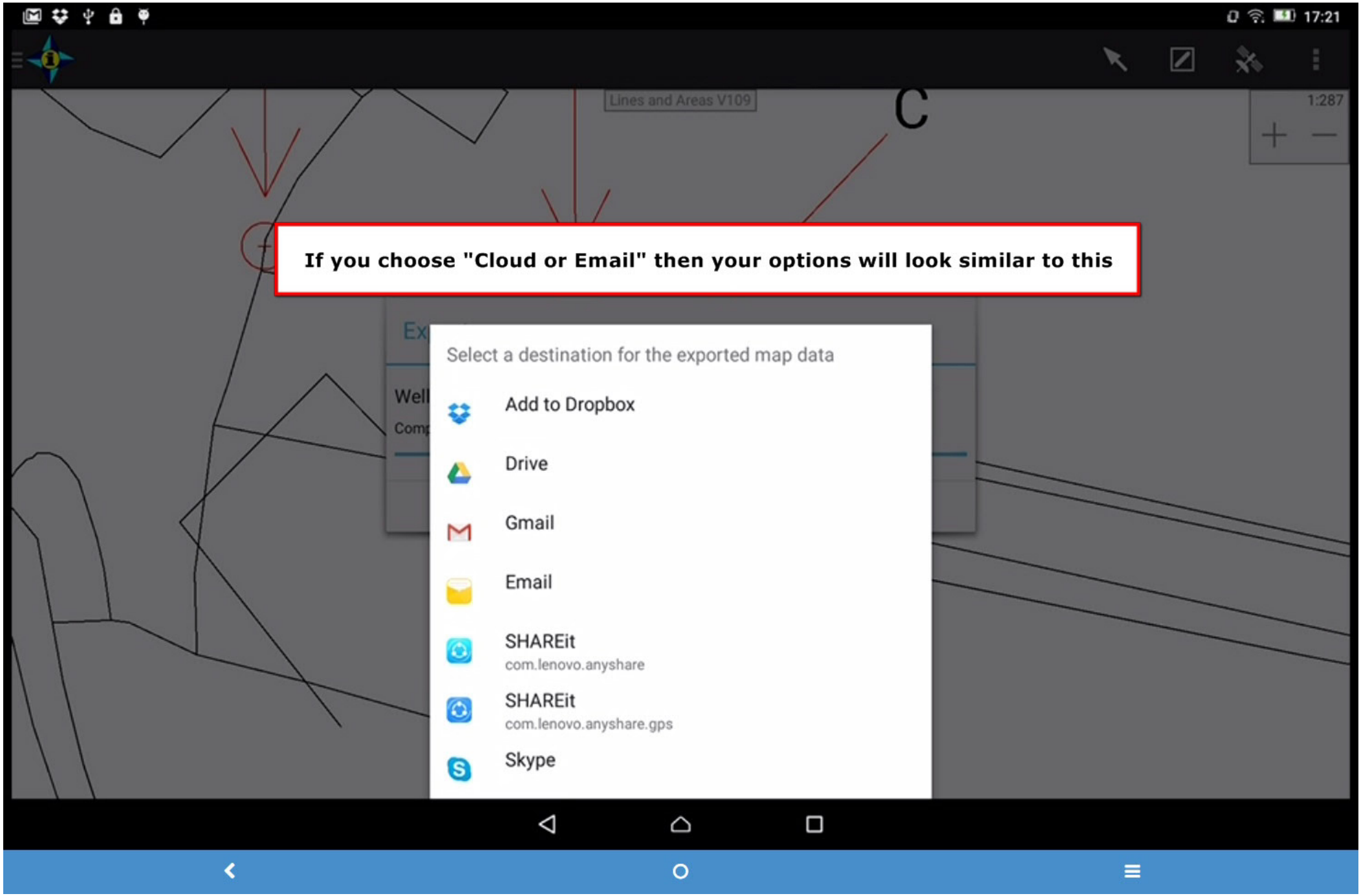

15:54
Any surveys that have been done on the current map will be listed here
In this example there are 2 surveys that can be exported but as they are different types of survey they must be exported separately
Tick the survey to export and then click EXPORT
Select the map(s) to export
Elder Road test
Elder Road test BS5837 Survey V111
Elder Road test Lines and Areas V109
Cancel
All maps
Export
34
22
97
99
98
2
8
2
1

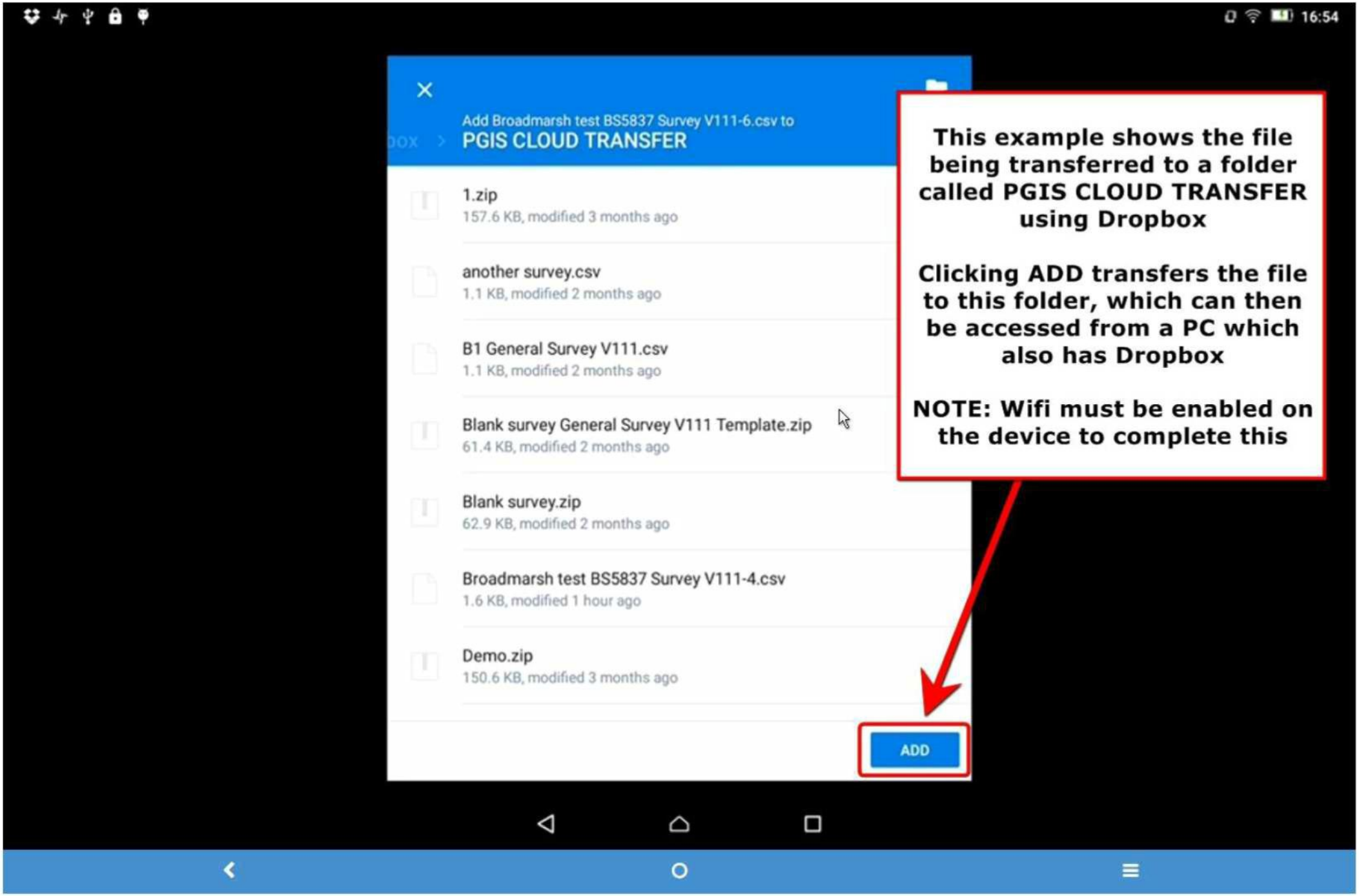

16:01
BS5837 Survey V111
1:619
To export several surveys at once, click on ALL MAPS
Select the map(s) to export
Elder Road test
Elder Road test BS5837 Survey V111
Elder Road test Lines and Areas V109
Cancel
All maps
Export
34
22
97
99
98
2
8
2
1


16:04
Select the map(s) to export
Elder Road test
Elder Road test BS5837 Survey V111
Elder Road test Lines and Areas V109
Dual GPS test
Dual GPS test Point features
Wells Farm
Wells Farm Lines and Areas V109
Broadmarsh Test
Broadmarsh Test BS5837 Survey V111
Broadmarsh
Broadmarsh General Survey V110
Broadmarsh Lines and Areas V109
Cancel
Export
1:619
These surveys are all Lines & Areas so would have to be exported separately from point data surveys e.g. trees
Lines & Areas surveys are exported as Shapefiles
You can only do multiple survey exports with the same type of survey
In this example all the ticked surveys are point data and will be exported as CSV files


Export maps
Export as Comma Separated File
Export as Comma Separated File
Export as Shape file
Normal grid coordinates
Cancel
Export
Before exporting your survey you must choose the type of data to create:
Comma Separated file - Trees or any fixed point items e.g. bins, streetlights, etc.
Shape file - Lines & Areas Survey, tracks, boundaries, etc.


17:13
Lines and Areas V109
1:287
Export maps
Export as Comma Separated File
Export to Cloud or Email
Export to Cloud or Email
Export to Documents
You can choose:
Export to Cloud or Email (Cloud lets you export to Dropbox)
or
Export to Documents (this is the Documents folder on your Android device)


17:21
Lines and Areas V109
1:287
If you choose "Cloud or Email" then your options will look similar to this
Select a destination for the exported map data
Add to Dropbox
Drive
Gmail
Email
SHAREit
com.lenovo.anyshare
SHAREit
com.lenovo.anyshare.gps
Skype


16:54
Add Broadmarsh test BS5837 Survey V111-6.csv to
PGIS CLOUD TRANSFER
1.zip
157.6 KB, modified 3 months ago
another survey.csv
1.1 KB, modified 2 months ago
B1 General Survey V111.csv
1.1 KB, modified 2 months ago
Blank survey General Survey V111 Template.zip
61.4 KB, modified 2 months ago
Blank survey.zip
62.9 KB, modified 2 months ago
Broadmarsh test BS5837 Survey V111-4.csv
1.6 KB, modified 1 hour ago
Demo.zip
150.6 KB, modified 3 months ago
ADD
This example shows the file being transferred to a folder called PGIS CLOUD TRANSFER using Dropbox
Clicking ADD transfers the file to this folder, which can then be accessed from a PC which also has Dropbox
NOTE: Wifi must be enabled on the device to complete this

EXPORTING SURVEY DATA TO A FOLDER ON YOUR DEVICE

NOTE: these notes are for users who are unable (or do not wish) to use Dropbox to export survey files.

When exporting your survey data from PocketGIS to a folder on your Android device, the range of folders which are available to transfer files to will depend on your version of Android and how the device manufacturer has set up Android.

Many Android devices (particularly devices designed for commercial use) come with modified versions of Android, which may restrict access to certain folders.

PocketGIS will always include the option to save your survey files to the "Documents" folder on your device.

On some devices you may find that you have the option to export and save your files to other folders, using your device's built in File Manager software. If you plan to use this method to export your survey data then check that you can locate that folder.

e.g.

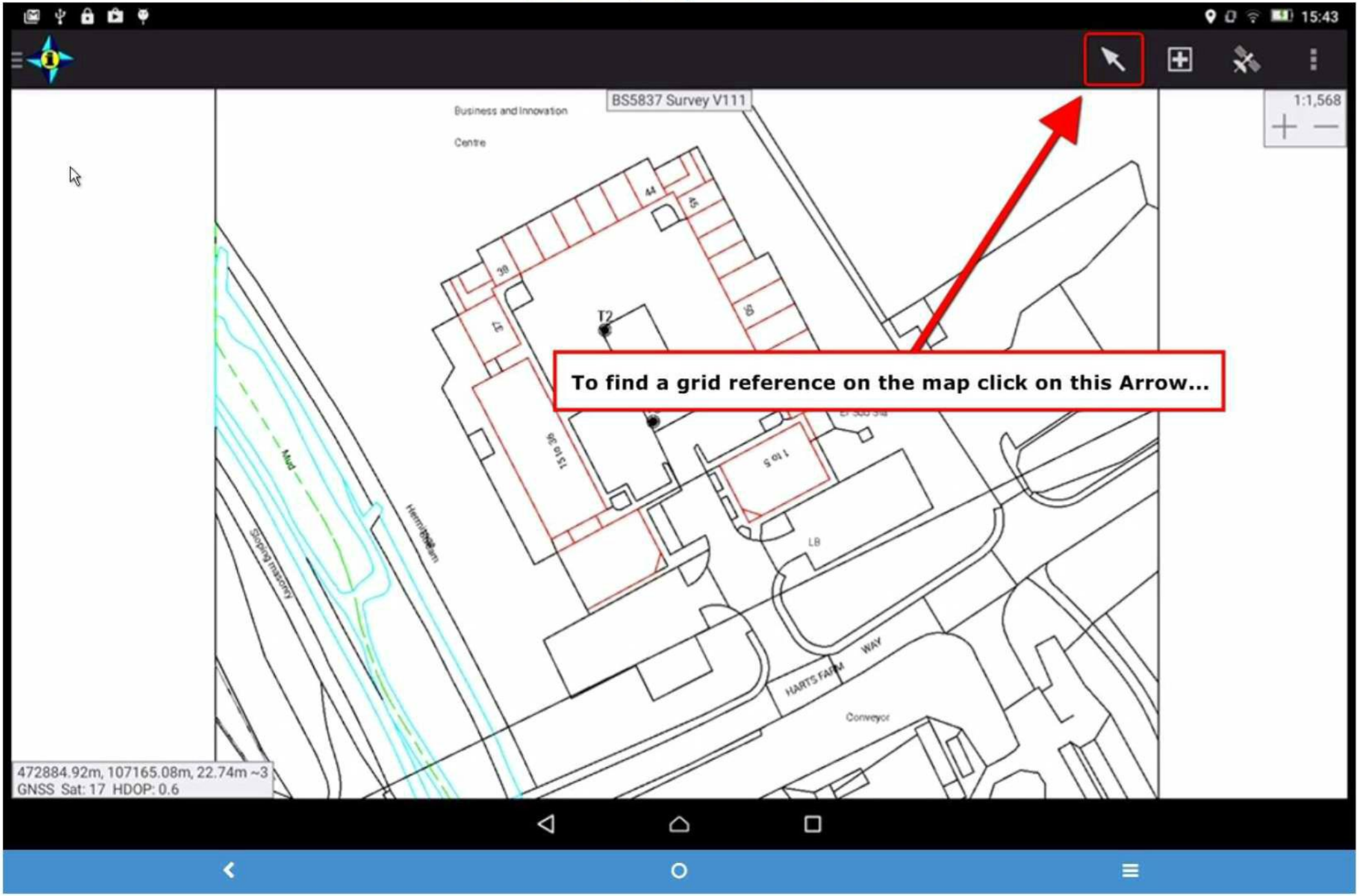
If using Gmail/email - check that you can browse to the file(s) to attach them to your email

If connecting your Android device via cable to your PC/laptop - check that you can browse to the file(s) from your PC/laptop

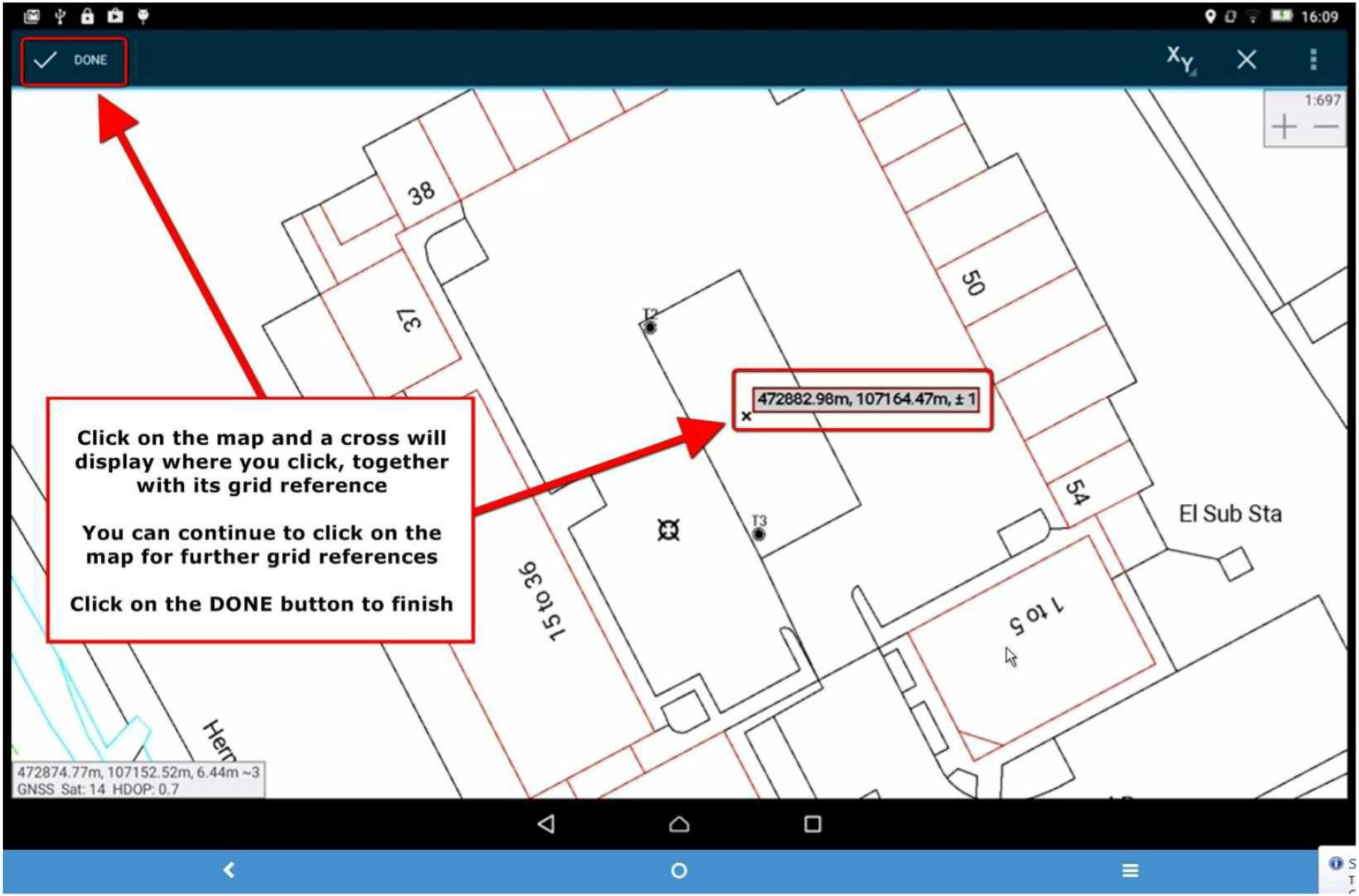
If connecting your Android device to your network (via WiFi) - check that you can browse to the file(s) from your PC/laptop

If you need help or advice with setting up any of these options then contact support at Pear Technology.

13. Finding a grid reference

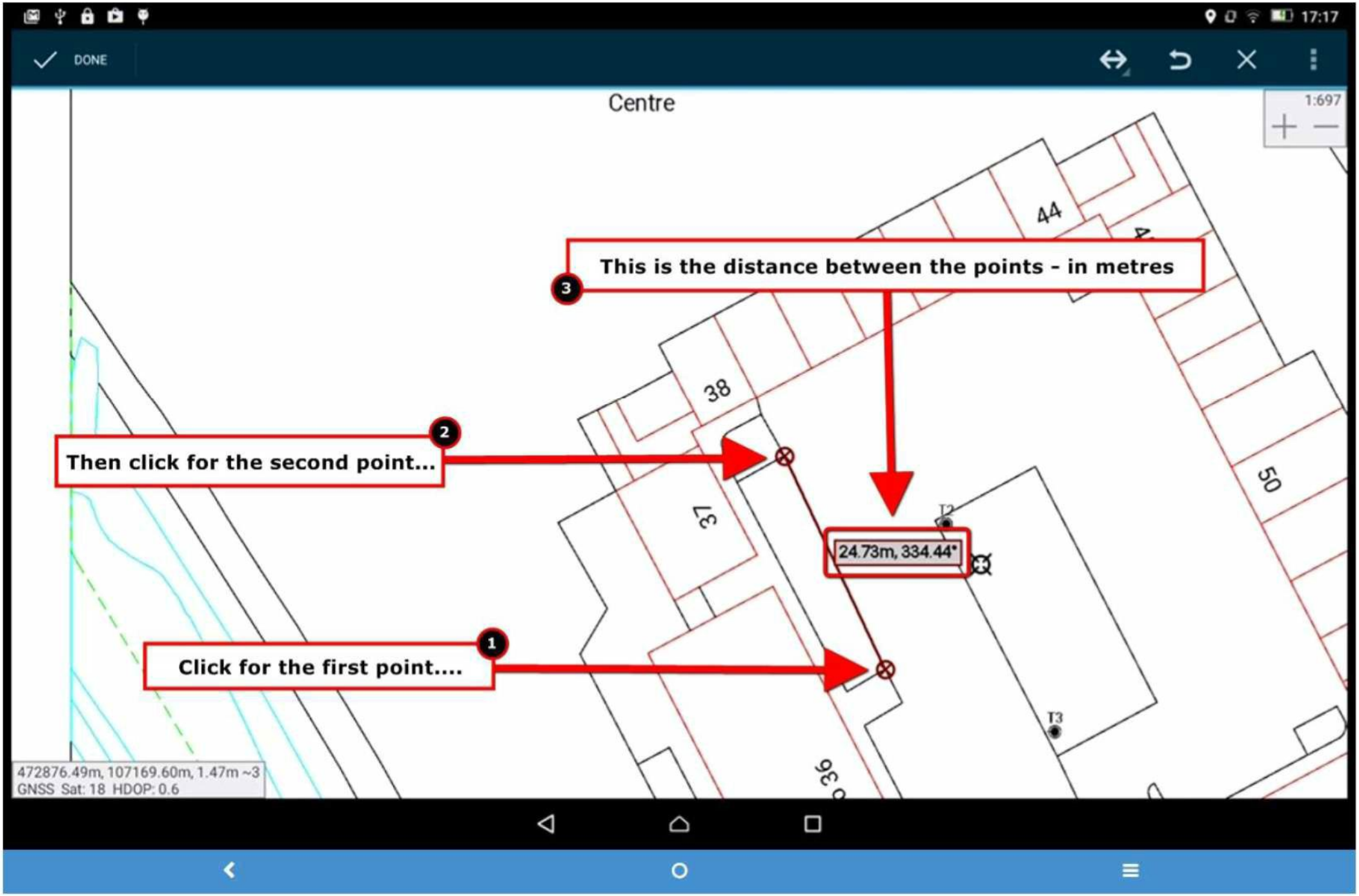


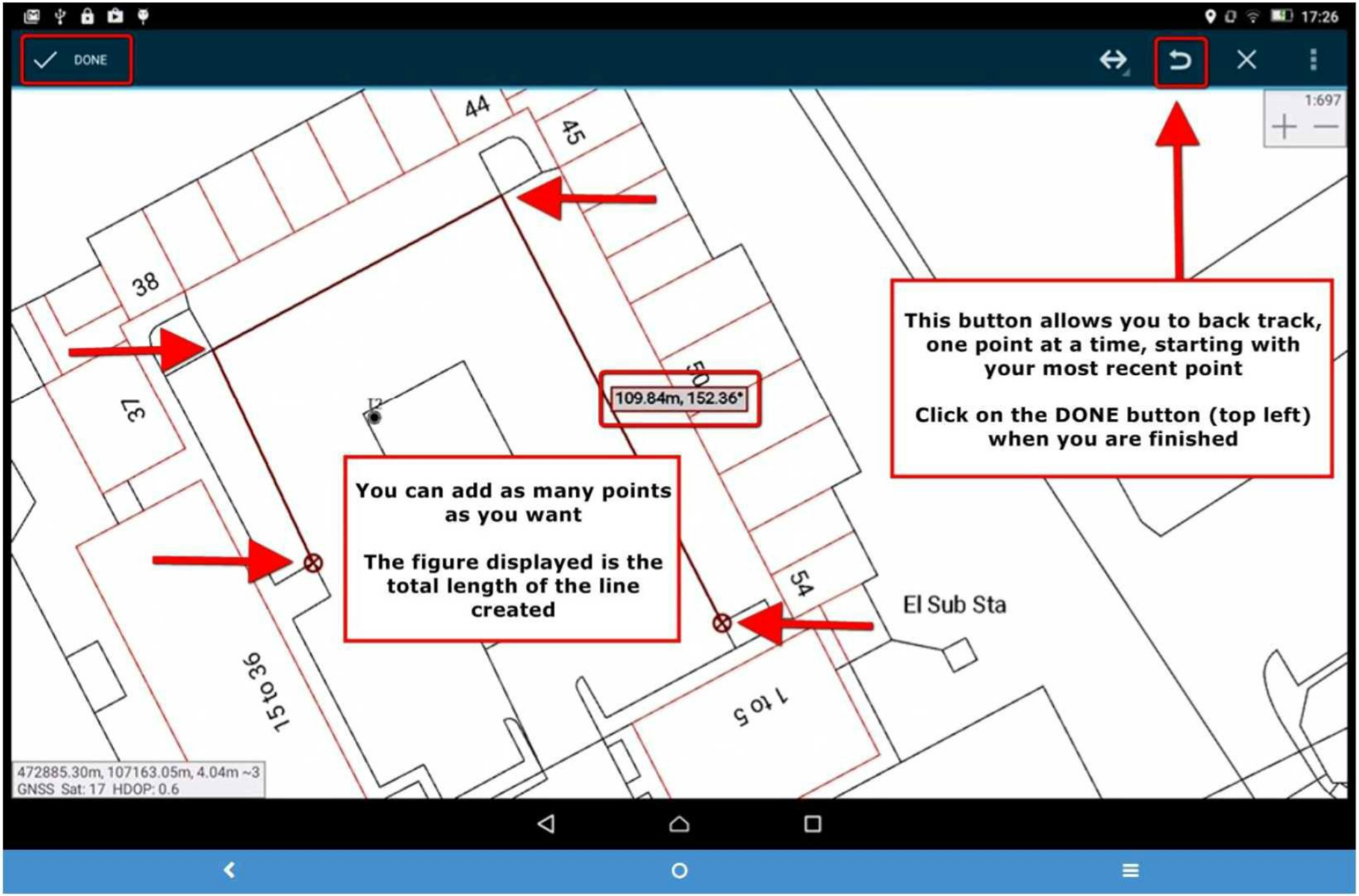
17:38
DONE
Select
Attributes
Grid reference
Distance
Area
Next click the Box icon and select GRID REFERENCE
El Sub Sta
34
ELDER ROAD
T6
T5
T4
97
99
98
22
8
2
1

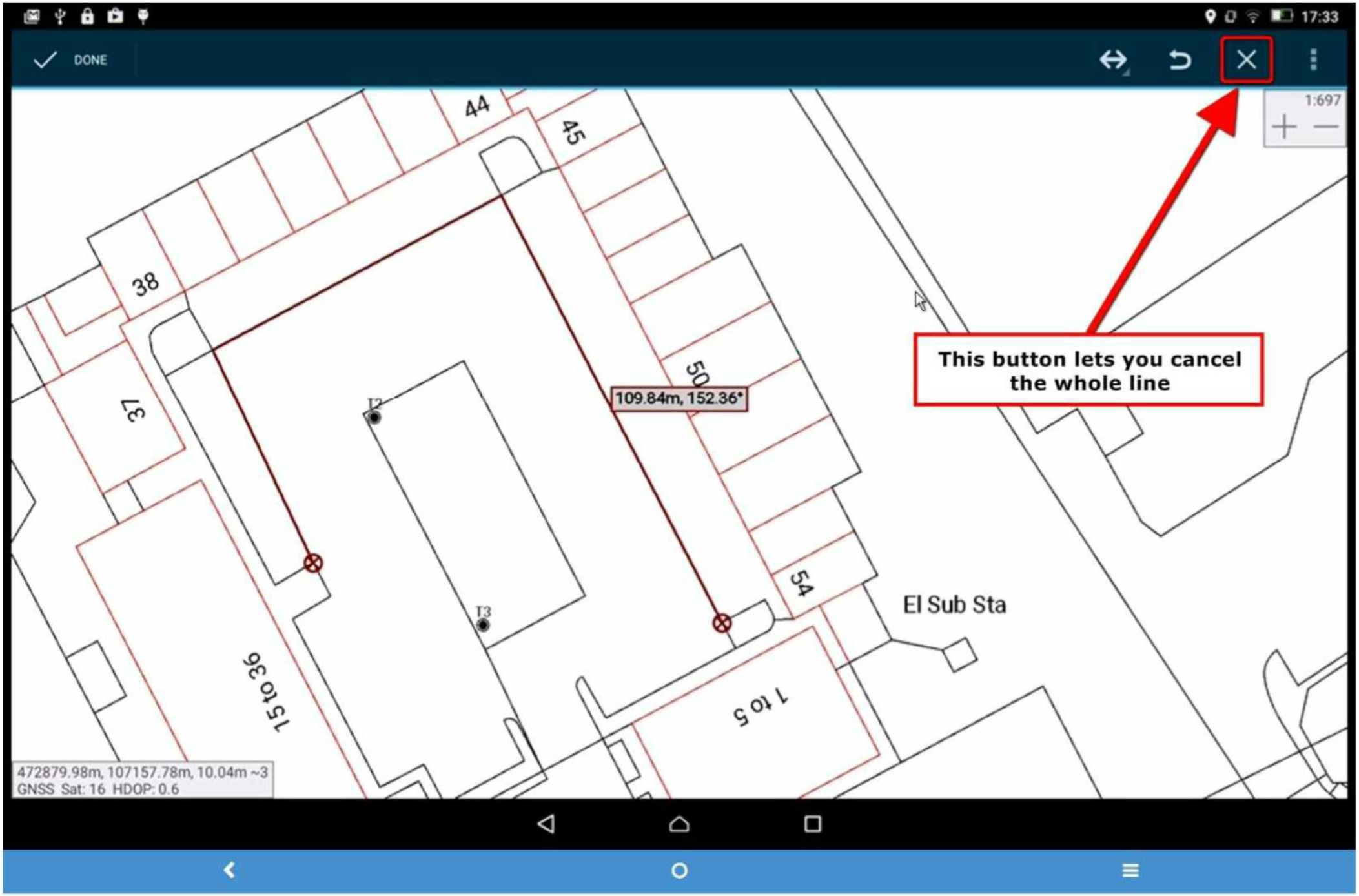
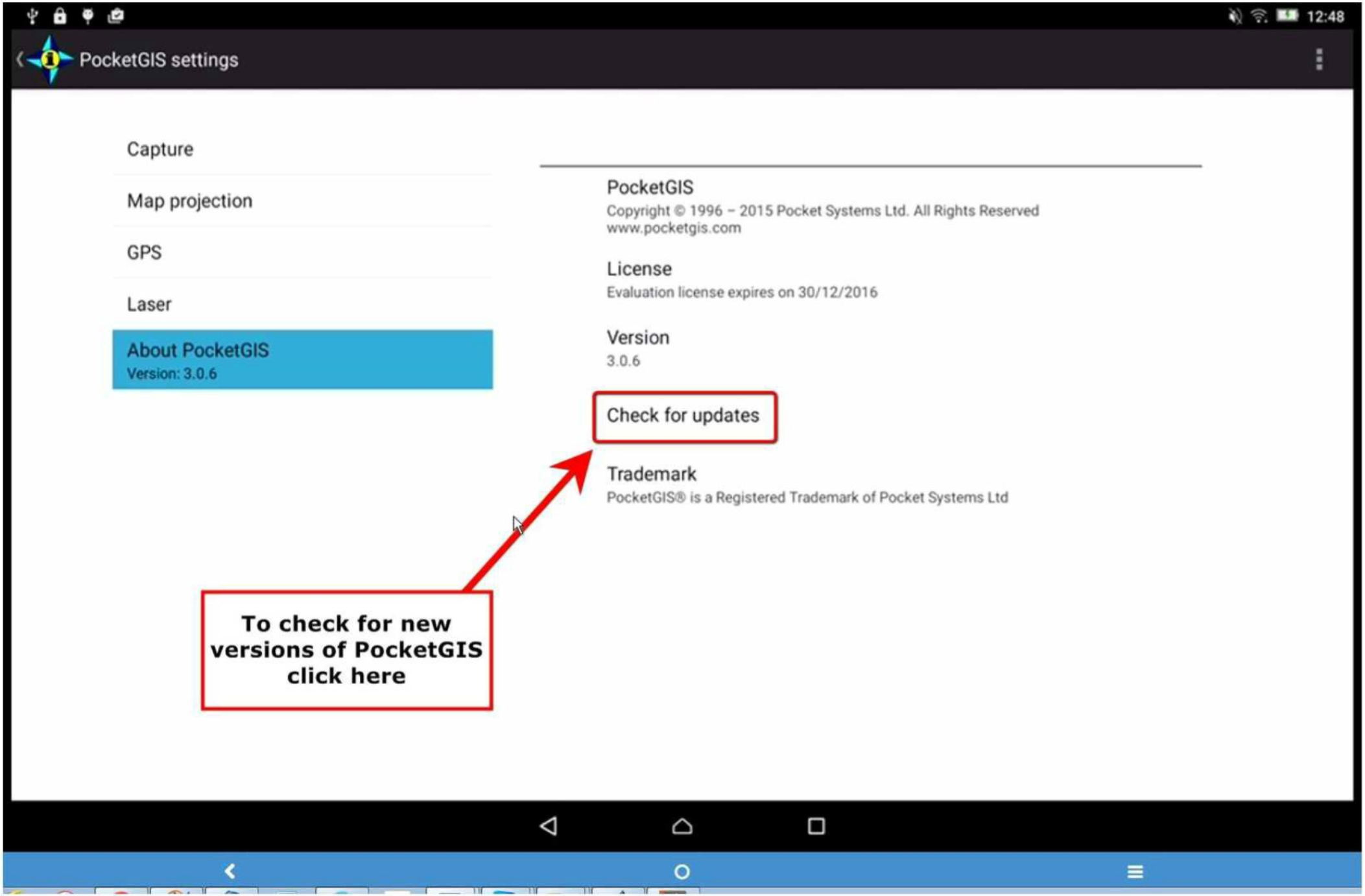

16:09
DONE
1:697
38
37
50
54
T2
T3
472882.98m, 107164.47m, ± 1
Click on the map and a cross will display where you click, together with its grid reference
You can continue to click on the map for further grid references
Click on the DONE button to finish
15 to 36
1 to 5
El Sub Sta
472874.77m, 107152.52m, 6.44m ~3
GNSS Sat: 14 HDOP: 0.7

14. Measuring distances

17:38
DONE
Select
Attributes
Grid reference
Distance
Area
Next click the Box icon and select DISTANCE
El Sub Sta
34
ELDER ROAD
T6
T5
T4
97
99
98
22
8
2
1


17:17
DONE
Centre
1:697
This is the distance between the points - in metres
3
Then click for the second point...
2
Click for the first point....
1
24.73m, 334.44°
44
38
37
50
T2
T3
472876.49m, 107169.60m, 1.47m ~3
GNSS Sat: 18 HDOP: 0.6


17:26
DONE
1:697
44
45
38
37
109.84m, 152.36°
You can add as many points as you want
The figure displayed is the total length of the line created
This button allows you to back track, one point at a time, starting with your most recent point
Click on the DONE button (top left) when you are finished
54
El Sub Sta
15 to 36
1 to 5
472885.30m, 107163.05m, 4.04m ~3
GNSS Sat: 17 HDOP: 0.6


17:33
DONE
1:697
This button lets you cancel the whole line
109.84m, 152.36°
44
45
38
37
50
54
T2
T3
El Sub Sta
15 to 36
1 to 5
472879.98m, 107157.78m, 10.04m ~3
GNSS Sat: 16 HDOP: 0.6

15. Checking for updates to PocketGIS