Garmin GPS Wiki

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Garmin GPS Device Overview

1 Antenna

2 Keys

> 2a Arrow Change Menu items
>
> 2b Mark Waypoint
>
> 2c Page key (to navigate to the main menu)
>
> 2d Enter key (to enter a menu option)
>
> 2e Quit key (return to previous menu)

3 Power key

4 Mini-USB (under weather cap)

5 MCX-Connector for Antenna (under weather cap)

6 microSD card slot (under batteries)

7 Battery compartment

8 Mounting Spine

9 Battery cover D-ring

Getting started

1. Turn on the device at the Power key (3)

2. Press the Page key (2c) to navigate through the device options: Map, **Compass**, Trip Computer, Elevation Plot, **Main Menu**

3. Select a device manager option (the one that is seen in the middle of the screen after pressing the Page key becomes active)

Compass: allows you to navigate to a sample location of interest (this feature is useful when you base your field survey on pre-defined geo-located sampling locations; and also to orientate yourself in the field)

Main Menu: allows access to a range of device manager options, such as:

Setup, Waypoint manager, Geocaches, Route Planning, Geocaches, Proximity Alarms, Track Manager, ..., **Waypoint Averaging**, ... **Satellites**, etc.

4. Navigate through the device manager option using the arrows of the 'Change' key (2a). Press the 'Enter' key (2d) to enter a device manager option (e.g. 'Setup'), and press the 'Quit' key (2e) to return to the previous screen

Getting started – **Setup Menu**

Change the *Setup* menu options to the settings below to correctly record GPS locations
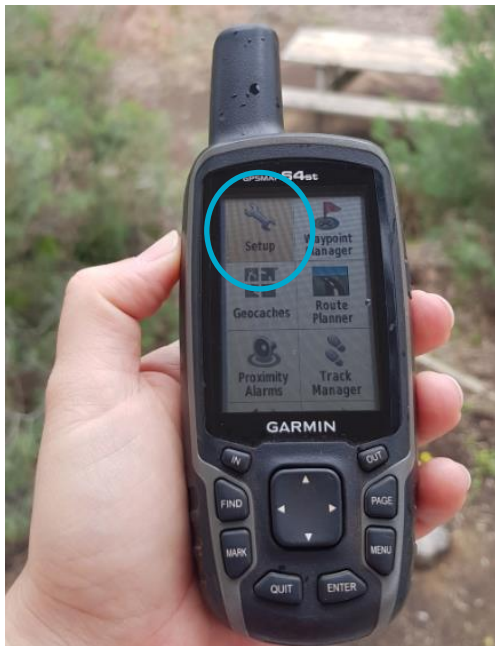Navigate using the 'Enter' (2d), arrow 'Change' (2a) and 'Quit' (2e) keys

Use 'Change' arrows (2a) to navigate to the 'Units' or 'Position Format' manager and press 'Enter' (2d), and navigate through the options using these keys

Units
Distance and speed: Metric
Elevation: Meters (m/min)
Depth: Meters
Temperature: Celsius
Pressure: Millibars

Position Format
Position Format: hddd.ddddd°
Map Datum: WGS 84
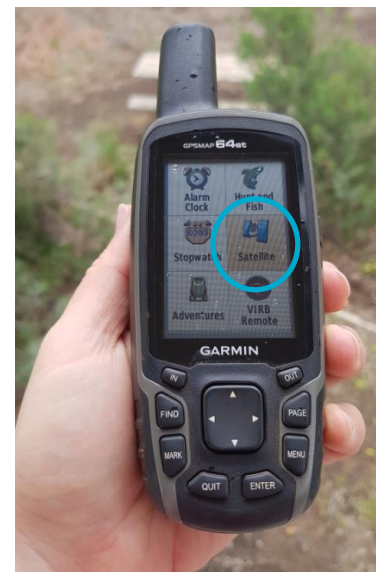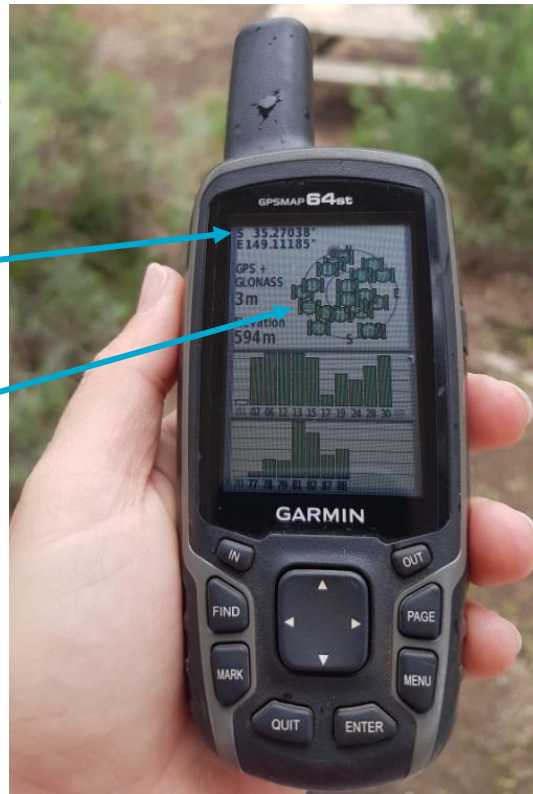Map Spheroid: WGS 84

2e   2d

Getting started – **Checking Satellites**

Navigate using the 'Enter' (2d), arrow 'Change' (2a) and 'Quit' (2e) keys

Use the 'Change' arrows (2a) to navigate to the 'Satellite' manager and press 'Enter' (2d)

Displays the current UTM coordinates

Displays the number of satellites available
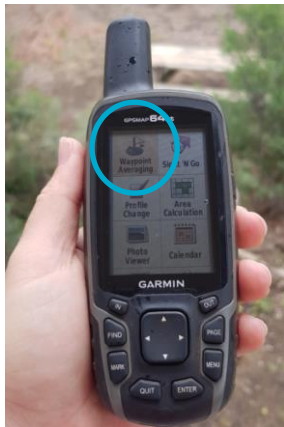
Recording GPS location – **Waypoint Averaging**

Enter the ***Waypoint Averaging*** menu

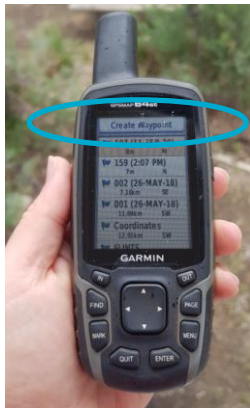Navigate using the 'Enter' (2d), 'Change' (2a) and 'Quit' (2e) keys

A. Use 'Change' arrows (2a) to navigate to the 'Create Waypoint' manager and press 'Enter' (2d)

B. Leave GPS at sample location for averaging to stabilise (Sample Confidence Note to read 100%). This takes about 5-10 min. Once stabilised, Record lat/long coordinates on your field sheet, and then navigate to 'Save' and press the 'Enter' key (2d)
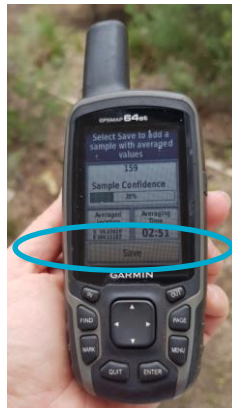
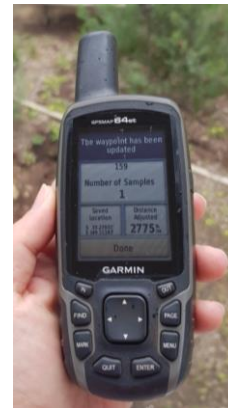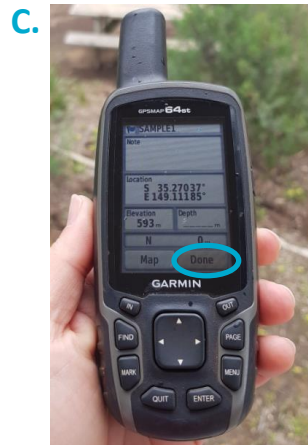**C.** Press 'Enter' key (2d) again to exit this option, and then 'Mark' the waypoint (next slide)
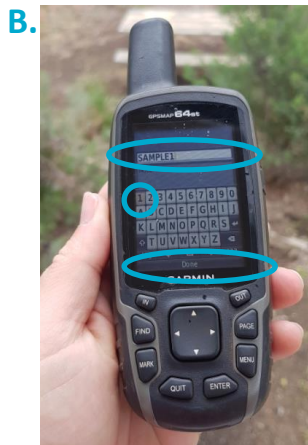
Saving a GPS location – **Mark waypoint**

Following the saving of the waypoint averaging, press the 'Mark' key (2b)

A. Press the 'Enter' key to change the sample ID

B. Enter your sample ID navigating through the screen keyboard using the 'Change' arrow keys (2a) to navigate to the letters/numbers and press the 'Enter' (2d) key and repeat until your sample name is completed (e.g. 'SAMPLE1') and navigate to the 'Done' tab below the keyboard, and press the 'Enter' key (2d)
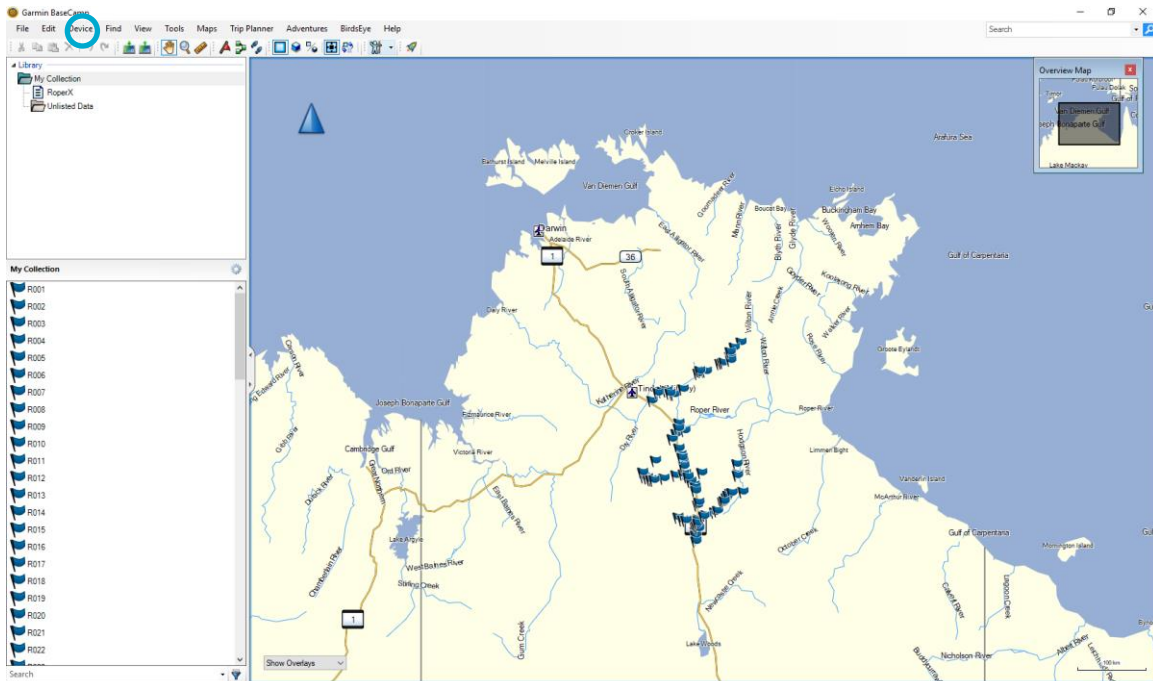
C. Complete the saving process by navigating to the 'Done' tab and press the 'Enter' key (2d)

A.

B.

C.

2b

2a

2e

2d

Downloading saved waypoint data

- Connect the USB Cable to your Computer

- Open the Garmin BaseCamp program (Download it for free and install on your computer following the prompts)

Navigate to the 'Device' Tab

Select 'Receive from Device' and select relevant points

Thank you

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Australia's National Science Agency