

Field Mapping & Data Collection Options

Tool	Pros	Cons	Best for	OS
<i>Paper map</i>	<ul style="list-style-type: none"> • Simple • No technical glitches 	<ul style="list-style-type: none"> • No location information • Can't easily collect data 	Locating field sites	none
<i>Avenza (free)</i>	<ul style="list-style-type: none"> • Easy to use • Location information • Can collect tracks & waypoints 	<ul style="list-style-type: none"> • Hard to control data collection • Small areas only/limited zoom 	Locating field sites and collecting simple data	iOS or Android
<i>Avenza (Pro)</i>	<ul style="list-style-type: none"> • Easy to use • Location information • Can add shapefiles for extra detail 	<ul style="list-style-type: none"> • Not free • Hard to control data collection • Small areas only/limited zoom 	Locating field sites and collecting simple data	iOS or Android
<i>GISKit/GPSKit</i>	<ul style="list-style-type: none"> • Location information • Can collect tracks and waypoints 	<ul style="list-style-type: none"> • Not free • Limited control of data collection 	Locating field sites and collecting simple data	iOS
<i>Qfield</i>	<ul style="list-style-type: none"> • Location information • Can extensively control data collection • Handles large areas, zoom levels 	<ul style="list-style-type: none"> • More extensive set-up 	Locating field sites and collecting complex data	Android

QGIS Inputs and Outputs for Mapping & Data Collection Options

Tool	Input (from QGIS)	Output (to QGIS)
<i>Paper map</i>	Printable map layout	none
<i>Avenza (free)</i>	Georeferenced PDF map	CSV of waypoints or track
<i>Avenza (Pro)</i>	Georeferenced PDF map + optional shapefiles	CSV of waypoints or track
<i>GISKit/GPSKit</i>	Shapefile or KML	KML
<i>QField</i>	QGIS project	Layers with field data