



FieldWise

GEOGRAPHY PRO

COMPLETE USER GUIDE

How to use FieldWise Geography Pro

The professional fieldwork toolkit — plan an investigation, run thirteen specialist field tools, map on a GIS canvas, compare sites, and build report-ready outputs, then hand off to FieldWise Core for accounts, review and reporting.

ORIENTATION

The toolkit & how it fits together

FieldWise Geography Pro is a specialist fieldwork toolkit for iPhone and iPad. It **opens straight into the tools** — **there's no sign-in**. You plan an investigation, collect data with thirteen specialist tools and a GIS map, then build report-ready outputs. When you need accounts, classes, multi-user review and consolidated reporting, you hand your work off to **FieldWise Core** (Section 6).

The five tabs

Tab	What it's for
Investigate	Plan a fieldwork investigation and use quick investigation templates.
Field Tools	The thirteen specialist professional tools, plus the Field Methods Library.
Map	GIS map with topographic overlay — capture points, lines and polygons, and link records.
Compare	Side-by-side comparison of two sites.
Report	Record and write up: Field Sheet, Survey Forms, Report Outline and Photos.

What's in this guide

1 Getting started

Opening the app, the site model, and the record status workflow.

2 Investigate & the Map

Plans, templates and GIS point/line/polygon capture.

3 The 13 field tools

Every specialist tool and what it captures.

4 The Report workspace

Field Sheet, Survey Forms, Report Outline and Photos.

5 Records & comparison

Professional metadata, approval status and Compare.

6 Exports & FieldWise Core

PDFs, data exports and the Core hand-off.

Note. Your data is saved on the device as you work. Live weather, place search and the topographic map tiles use free open services, so those need a connection; everything you've already recorded stays available offline.

SECTION 1

Getting started

Opening the app

There's no login. The app opens to the five-tab toolkit (on iPad and Mac-style layouts the tab bar floats across the top; on iPhone it's the bottom bar). A short welcome flow appears on first launch.

Sites and trips — the model

Your work is organised around a **site** (a place you're investigating) within a **trip**. The site that's **active in the Field Sheet** is the one every field tool and photo saves against — so set your active site before you start collecting.

- Everything you record — tool results, field-sheet entries, photos, map pins — attaches to the active site.
- Switch or add sites from the **Report** tab's Field Sheet.

Your observer name

Enter your **observer name** once; it's stored and reused automatically on every field-tool record, so you don't retype it each time.

The record status workflow

Every saved record moves through a professional status: **Draft** → **Complete** → **Reviewed** → **Approved** .

Important. A record is **locked against further edits or deletion once it's Approved** — so approve only when you're sure. Until then you can keep refining it.

Tip. Set the active site and your observer name first thing on site — then every tool result and photo is correctly attributed without extra taps.

SECTION 2 · INVESTIGATE & THE MAP

Plan an investigation

The Plan wizard

Open **Investigate** and work through the multi-step **plan wizard** to set up a fieldwork investigation — aims, location, equipment and pre-field checks — ending in a **readiness summary** so you know you're prepared before you go.

Quick investigation templates

The Investigate tab also offers ready-made investigation templates with their own lightweight recording fields — a fast start for a common study, independent of the specialist Field Tools:

Coastal change

River health

Urban liveability

School microclimate

Soil investigation

Biodiversity

Note. Use a quick template when you want a simple, guided record for a standard investigation; use the Field Tools (Section 3) when you need the full professional instruments and calculations.

Before you go

- Complete the plan's readiness summary — aims, equipment and pre-field checklist.
- Confirm your first site is set up so data has somewhere to land.
- If you'll be somewhere with no signal, load the map area and check the weather while you still have a connection.

Tip. Fill in the plan's aims properly — they carry straight into your write-up in the Report Outline later.

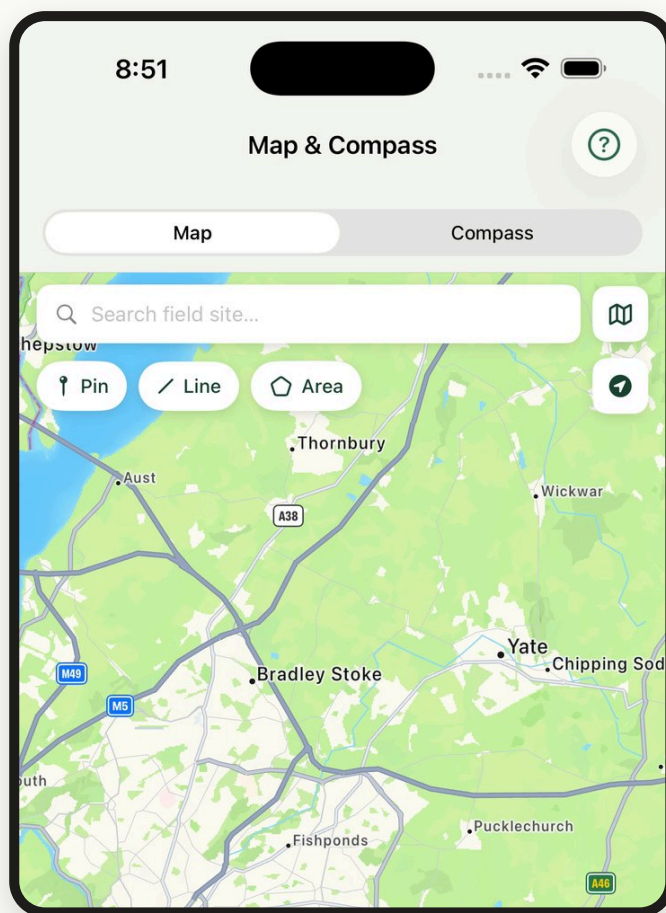
SECTION 2 · INVESTIGATE & THE MAP

The GIS map

The **Map** tab is a full GIS canvas for locating and mapping your fieldwork.

What you can do

- Toggle a **topographic contour overlay** over the basemap to read terrain.
- Capture **points, lines and polygons** — a pin for a sample point, a line for a transect, a polygon for a land-use area or site boundary.
- Give each pin or shape a **title, note and colour**, a **status**, and **link it** to a site and to specific evidence.
- Switch to the **Compass** from the same tab for bearings in the field.



The GIS map — capture points, lines and polygons, switch basemaps and read contours, with GPS from the device.

On the map. Land-use areas you draw as polygons can be linked directly from the **Land-Use Survey** tool, so a mapped area and its survey record stay tied together.

Tip. Drop your map features as you move through a site and link them to the site straight away — a well-mapped site makes the final report and any comparison far clearer.

SECTION 3 · THE FIELD TOOLS

Thirteen specialist tools

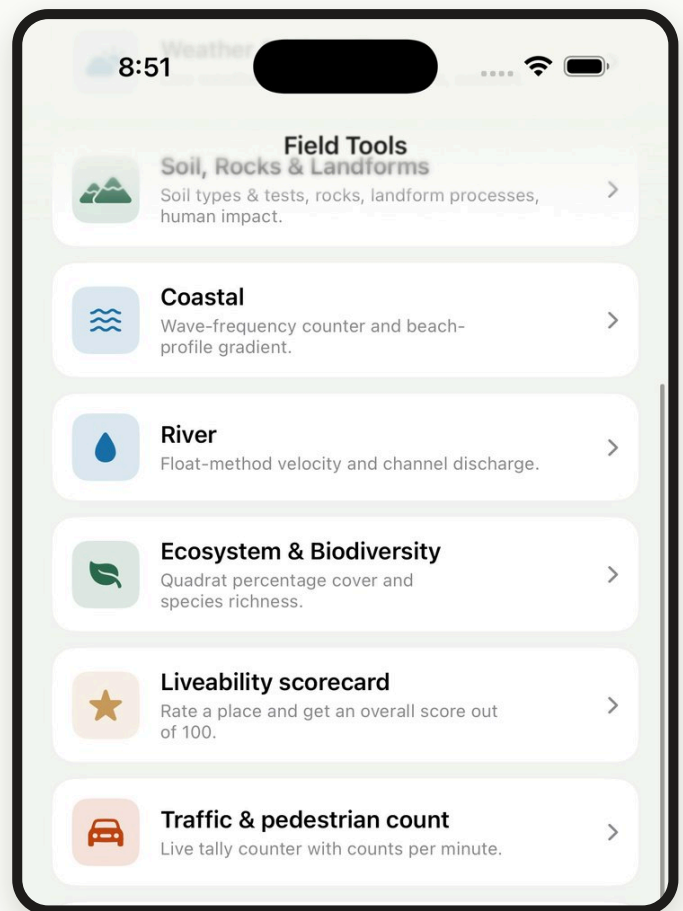
Open **Field Tools** for the launcher — a grouped list of thirteen professional instruments. Each one guides you through a method and saves one or more **timestamped records against the active site**.

How every tool saves

All thirteen share the same **Save to site** control, so a record always carries a consistent professional metadata block:

- Project and site name, and your observer name.
- GPS coordinates and accuracy, and elevation.
- A **Draft** → **Complete** → **Reviewed** → **Approved** status, with the record locked once Approved.

Saved tool records also appear inside the site's Field Sheet, tagged "Imported from [tool]" (Section 4).



The Field Tools launcher — thirteen specialist instruments, each saving to the active site.

The Field Methods Library

The Field Tools tab also holds the **Field Methods Library** — a reference of fieldwork methods (and Connection to Country guidance) you can consult on site.

Tip. Leave records as Draft or Complete in the field; move them to Reviewed and Approved back at the office once you've checked them — approval locks them.

SECTION 3 · THE FIELD TOOLS

Physical & water tools

Tool	What it captures
Weather & Microclimate	Live weather, on-day observations and comfort.
Coastal	Waves and tides, a tagged beach profile with an auto-generated graph, sediment / structures / erosion notes, and a coastal vulnerability score.
River	Float-method velocity (with an editable correction coefficient and mean / median / std dev), cross-section discharge, channel morphology and a river condition score.
Water Quality	pH, turbidity, dissolved oxygen, EC, salinity, nutrients and visual condition.

Tip. The River tool's correction coefficient is editable — set it to match your float and reach rather than leaving the default, and the velocity and discharge figures will be defensible.

Coastal — a tagged beach profile with an auto-generated gradient graph.

River — float-method velocity with a built-in method guide.

SECTION 3 · THE FIELD TOOLS

Ecology & land tools

Tool	What it captures
Ecosystem & Biodiversity	Quadrat setup with full per-species records (origin, growth form, cover, confidence) and richness / diversity / weed-percentage outputs.
Quadrat & Transect	Multiple quadrats along a transect, with combined richness, cover and native / introduced counts.
Land-Use Survey	Per-land-use records (percentage of site, intensity, tenure, planning zone) that can link directly to a polygon on the Map.
Human Impact Checklist	Per-impact records with a calculated risk score (severity × extent × environmental sensitivity).

Ecosystem & Biodiversity — quadrat percentage-cover and species-richness capture.

On the map. Draw a land-use area as a polygon on the Map, then link it from the Land-Use Survey record — the mapped extent and the survey data stay connected in the report.

Tip. For transects, set up your quadrats consistently along the line — the tool combines them into richness and native/introduced totals you can defend.

SECTION 3 · THE FIELD TOOLS

People, place & sketch tools

Tool	What it captures
Liveability	~30 indicators across five weighted groups, an overall and weighted score, and cross-site comparison.
Traffic & Pedestrian	Survey setup, timestamped counts, interval analysis, peak interval and heavy-vehicle percentage.
Place Perception	Sensory evidence, environmental-quality ratings and place significance.
Field Sketch	A sketch-type picker and full annotation toolbar — shapes, text, markers, legend, measurement line, compass arrow and scale bar — on a vector layer above the ink canvas; import a photo or map and add a GPS point.

Liveability — weighted indicator scoring with an overall score for cross-site comparison.

Cultural Landscape

Important. The **Cultural Landscape** tool records Traditional Country and cultural information and is **practitioner-entered only**. A record can't be saved until you add a **required source citation** and confirm a **sensitivity acknowledgement** — so cultural information is always attributed and handled respectfully.

SECTION 4 · THE REPORT WORKSPACE

Record & write up

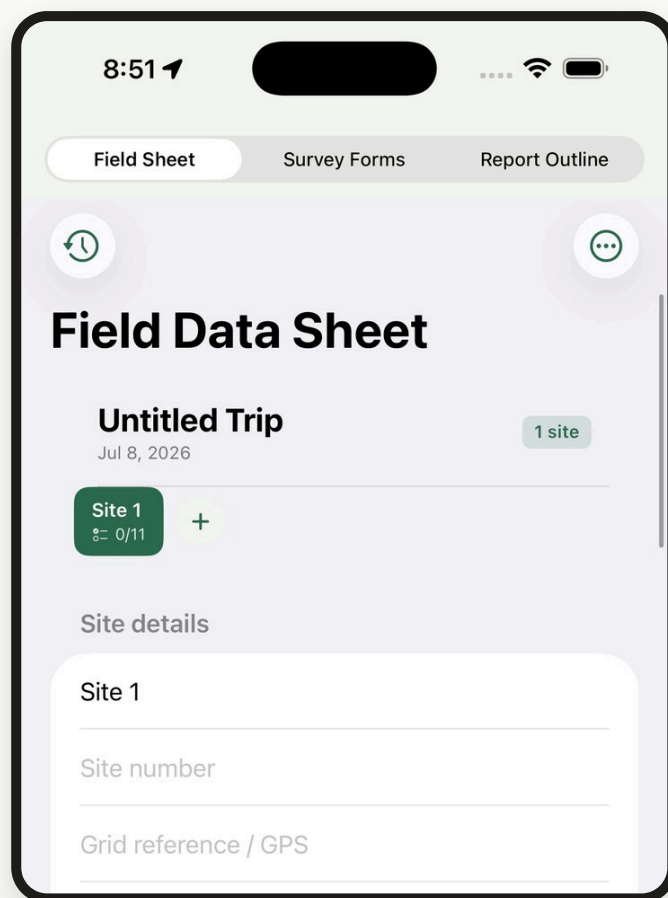
The **Report** tab is where recording and write-up happen, split into four sub-sections by a segmented picker.

Field Sheet

The interactive per-site data sheet — eleven core sections covering rock type and characteristics, weathering, erosion, soil texture / characteristics / colour, vegetation, slope / landform / land use, human impacts and management features — plus every field tool's saved records shown inline, tagged "Imported from...".

Survey Forms · Report Outline · Photos

- **Survey Forms** — free-form questionnaire-style sheets.
- **Report Outline** — a guided space to write up findings afterwards.
- **Photos** — a per-site photo register, by category or as a filterable list.



The interactive Site Field Sheet — structured sections with photo evidence and comments.

Photo metadata

Each photo carries full metadata: category, direction, GPS, scale, tags, a **confidential** flag, and a before / during / after sequence.

Note. The soil-colour section uses the official soil colour charts — pick the chip that matches your sample and the reference is recorded with the site.

SECTION 5 · RECORDS & COMPARISON

Status, metadata & Compare

The professional record

Every field-tool record and field sheet carries the same professional metadata and status, which is what makes the data defensible in a report.

Element	What it means
Metadata block	Project and site name, observer, GPS coordinates and accuracy, and elevation — attached automatically.
Status	Draft (in progress) → Complete → Reviewed → Approved.
Locking	An Approved record can't be edited or deleted — approve when you're confident it's final.
Audit	Records keep their status history so you can see how a record progressed.

Comparing sites

The **Compare** tab puts two sites **side by side** so you can read their differences directly — ideal for a before/after study, an upstream/downstream river comparison, or ranking places by liveability.

Tip. Score the same indicators at each site (the Liveability and river/coastal condition scores are designed for this) so a comparison is genuinely like-for-like.

Note. Because tool results roll up into each site's Field Sheet, a site is comparison-ready as soon as its records are complete — no separate step.

SECTION 6 · EXPORTS & FIELDWISE CORE

Sharing your work & the Core hand-off

Exports from the app

Geography Pro produces finished outputs directly on the device:

Export	What it produces
Site Field Sheet → PDF	A per-site field data sheet as a PDF.
Final Report → PDF	A combined write-up drawing the field sheet and records together.
Survey Form → PDF	A standalone survey/questionnaire as a PDF.
Field trip → CSV + PDF	The trip's checklist and data for a spreadsheet or print.
Investigation → PDF	A quick-investigation template written up as a PDF.

FieldWise Core — the online hub

Geography Pro is the specialist field app; **accounts, classes, review and consolidated reporting live in FieldWise Core**. When you're ready to bring your fieldwork into that shared workspace, hand it off with the Core export.

- 1 Finish and check your investigation in the app.
- 2 Use **Export to FieldWise Core** to produce a **.fieldwise.json** hand-off file.
- 3 Bring that file into FieldWise Core, where multi-user accounts, class management, review and reporting take over.

Note. Keep the on-device PDF and CSV exports for a quick share or print; use the Core hand-off when the work needs to join your organisation's shared accounts and reporting.

BEST PRACTICE

A recommended end-to-end workflow

A dependable order of work for a professional field investigation:

1 Plan in Investigate

Work the plan wizard to a readiness summary — aims, location, equipment, pre-field checks.

2 Set the active site & observer

Create your first site and enter your observer name so everything is attributed.

3 Map as you go

Capture points, lines and polygons on the GIS map, link them to the site, and read the topographic overlay.

4 Run the field tools

Use the specialist tools for each theme; every result saves to the active site with GPS and metadata.

5 Record on the Field Sheet

Fill the eleven core sections, add photos with full metadata, and check the imported tool records.

6 Review & approve

Move records Draft → Complete → Reviewed → Approved once checked — approval locks them.

7 Compare & write up

Compare sites side by side, then write findings in the Report Outline.

8 Export or hand off

Generate PDFs/CSV for a quick share, or export to FieldWise Core for accounts, review and reporting.

Tip. Two habits make the biggest difference: set the **active site + observer** before collecting, and **map and link features as you go** — the report and comparison then almost build themselves.

REFERENCE

Troubleshooting & glossary

Quick troubleshooting

If...	Then...
Weather, place search or the map won't load	These use free online services — check your connection. Data you've already saved stays available offline.
A tool record saved to the wrong site	Records attach to the active site in the Field Sheet — set the correct active site before collecting.
You can't edit or delete a record	It's probably Approved , which locks it. Approve only final records.
The Cultural Landscape tool won't save	It requires a source citation and a sensitivity acknowledgement first — both are mandatory.
A tool result isn't in the report	Check it saved to the active site; saved records show in the Field Sheet tagged "Imported from...".

Glossary

Term	Meaning
Site / trip	The place you're investigating, within a trip; the active site is what records save to.
Field tool	One of the thirteen specialist instruments, each saving timestamped records.
Field Sheet	The interactive per-site data sheet in the Report tab, with eleven core sections.
Record status	Draft → Complete → Reviewed → Approved; Approved records are locked.
Metadata block	Project/site, observer, GPS + accuracy and elevation carried on every record.
GIS capture	Points, lines and polygons drawn on the Map, linked to sites and evidence.
FieldWise Core	The online hub for accounts, classes, review and reporting; the app hands off to it via a .fieldwise.json export.

Need more help?

The in-app **Help & FAQ** and **Field Methods Library** cover methods and common questions. For product information visit fieldwiseeducation.com.au/professional.