



FieldWise

LAND & WILDLIFE PRO

COMPLETE USER GUIDE

How to use FieldWise Land & Wildlife Pro

Manage land, habitat, wildlife, weeds, pests and restoration with mapped evidence and accountable works — offline-first, with versioned plans, controlled exports and professional GIS through the Pro Hub.

ORIENTATION

What the app does & how it's organised

FieldWise Land & Wildlife Pro is an **offline-first** iPhone and iPad app for professional land management — habitat restoration, weed and pest monitoring, wildlife protection, mapped evidence, accountable works and versioned reporting. You capture everything in the field with no connection, and sync to your organisation's shared workspace when you're back online.

How your work is organised

Records live inside a structure of workspaces, from the organisation down to the site:

Client → **Project** → **Property** → **Site / Zone**, with **Team** and **Documents** alongside.

What's in this guide

1 Getting started & the map

Sign-in, workspaces, GIS geometry and sensitive locations.

2 Plans & monitoring

Land Management Plans, weeds, pests, restoration, habitat.

3 Wildlife & evidence

Observations, Species Assist verification and the evidence workflow.

4 Works & registers

Water, assets, restricted work, permits and equipment registers.

5 Offline, sync & reports

Field-day packages, conflict handling and controlled exports.

6 The Pro Hub & Core

Cloud spatial features and your shared workspace.

Important. The app records field evidence and professional decisions — it does **not** replace permits, licences, authorised procedures, regulatory advice or qualified professional judgement.

SECTION 1

Getting started

Signing in

Sign in with your FieldWise professional account. The app is offline-first, so once you're signed in you can work with no connection — but **cloud sign-in and multi-device upload require a connection** to your organisation's backend.

Cloud and local

Your records are held locally on the device and, when enabled and online, sync to the shared cloud workspace. Cloud is **opt-in**: with it off you work entirely locally, and if a cloud read ever fails the app falls back to your local snapshot rather than blocking you.

Note. Because the app falls back to local data on any cloud error, a dropped connection in the field never stops you capturing or reviewing — the work simply queues to sync later.

The workspaces

Workspace	What it holds
Client & Project	The organisation you're working for and the piece of work itself.
Property	A landholding, with its Management Zones.
Site / Zone	The areas within a property that records attach to.
Team	The people on the project and their roles.
Documents	Reference documents attached to the project.

Tip. Set your project, property and active site before you start collecting — every record, photo and map feature attaches to where you are in that structure.

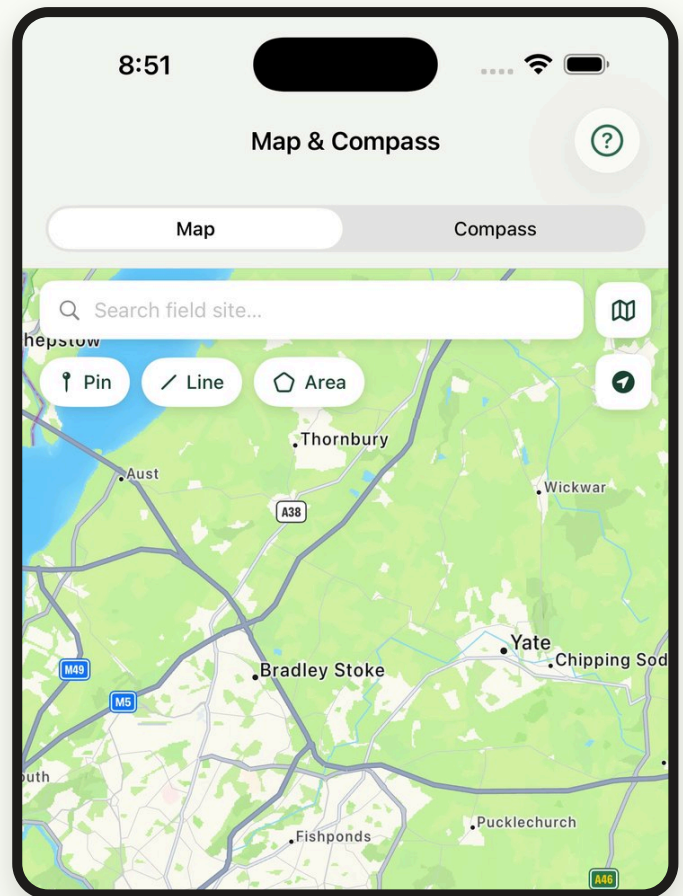
SECTION 1 · GETTING STARTED & THE MAP

The GIS map & spatial features

Mapped evidence is at the heart of the app. Every property, zone and observation can carry geometry you capture on the professional GIS map.

Capturing geometry

- Capture **points, lines and polygons** — an infestation point, a fence line, a management zone or property boundary.
- Properties and zones carry a **canonical spatial-feature ID**, so the same mapped feature is referenced consistently everywhere.
- Geometry is exchanged as **GeoJSON**, ready for GIS workflows.



The professional GIS map — capture point, line and polygon geometry over the basemap. (Shown in a FieldWise reference build.)

Sensitive locations

A location-sensitivity model governs how a sensitive feature's coordinates appear — **exact, generalised or hidden** — and this carries through to what any export is allowed to show (Section 5).

On the map. Cloud spatial features are read through a secure, authenticated view and written through a controlled create action — the app never touches base tables directly, so sensitive geometry rules are always enforced server-side.

Tip. Map features as you work and attach them to the right property and zone — accountable works and reports all build on that mapped base.

SECTION 2 · PLANS & MONITORING

Land Management Plans

A **Land Management Plan** is the backbone of a property's management — a structured, versioned plan you build up and revise over time.

What a plan contains

Element	What it captures
Values	What matters about the property — the assets and values being managed for.
Objectives	What you're aiming to achieve.
Threats	The pressures on those values (weeds, pests, erosion, disturbance...).
Actions	The management actions that address the threats and meet the objectives.

Status & revisions

A plan moves through a **Draft** → **Review** → **Approved** workflow, and every approved version is a **revision** with its own revision ID and reason, a lock timestamp, and a supersession date when a newer version replaces it.

Important. An approved plan revision is locked — later changes create a new revision rather than overwriting the approved one, so you always keep a defensible history of what was approved and when.

Tip. Write values and threats before actions — when each action links back to a threat and an objective, the plan reads as a clear, auditable line from what matters to what you'll do about it.

SECTION 2 · PLANS & MONITORING

Weed & pest monitoring

Weed records

Record a weed infestation with the detail a professional program needs — the app validates the essentials before a record is complete:

- Species, operator and the **mapped area** of the infestation.
- A matched **treatment and product** pairing, and an efficacy rating within range.
- Follow-up chronology, linked through a follow-up **management action** — so a re-treatment is tracked, not duplicated.

Pest records

Record pest evidence with species, evidence type, observer and non-negative counts. Where damage is high, a **control effort is required** before the record is valid — so serious damage never sits unaddressed.

Operational summaries

The app rolls records up into deterministic totals — infestation count and area, treatment efficacy, and pest damage counts — so a property's weed and pest position is always a glance away.

Note. Mapped evidence and follow-up actions stay linked to each record, so a summary or report can always trace a number back to the observations behind it.

Tip. Link the follow-up action when you first record an infestation — it's what keeps a re-treatment tied to the original rather than logged as a separate, duplicate job.

SECTION 2 · PLANS & MONITORING

Restoration, habitat & photo points

Restoration

Record restoration works with validated outcome percentages and non-negative planting and recruitment counts, so a site's recovery is measured consistently over time.

Habitat assets & inspections

Track **habitat assets** (nest boxes, fencing, watering points, revegetation areas) and inspect them on a schedule. An asset that's due shows an **overdue inspection** state, and each inspection records the inspector, the condition and which asset it belongs to.

Photo points

Set up fixed **photo points** and re-shoot them on each visit. The app only allows chronological comparison when the **point IDs match** — so a "before and after" is always genuinely the same spot, preserving the integrity of repeat monitoring.

On the map. Habitat assets and photo points carry their own mapped location, so the whole monitoring picture — what's where, what's due, what's changed — sits on the one map.

Tip. Establish photo points at the start of a program and re-use the same IDs every visit; consistent, comparable images are the most persuasive evidence of change in a report.

SECTION 3 · WILDLIFE & EVIDENCE

Wildlife observations & the evidence workflow

Recording wildlife

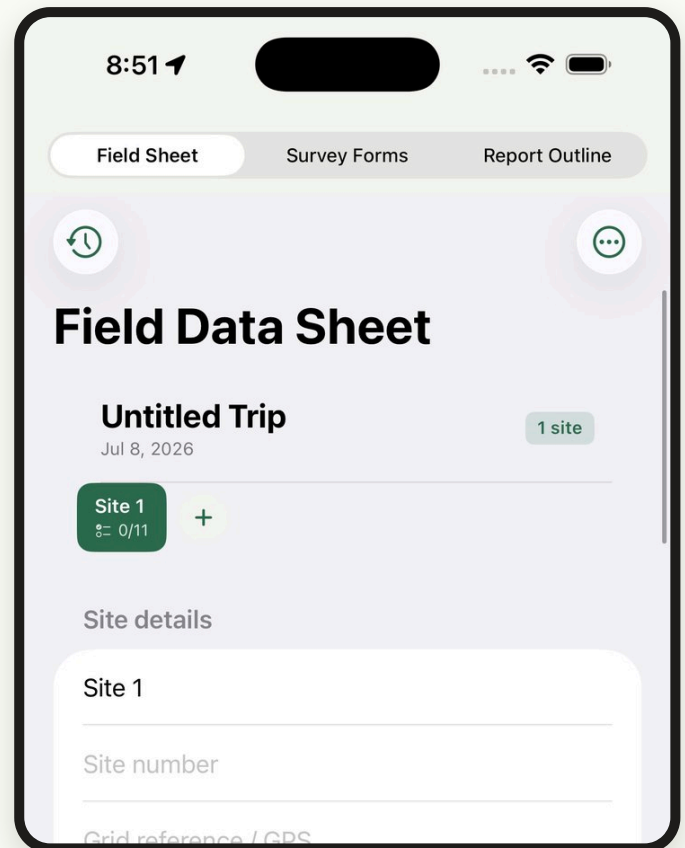
Record a wildlife observation with its evidence. A taxon starts as **provisional** and is only treated as confirmed once a person marks it **human-verified**.

Species Assist

Species Assist can suggest an identification, but its suggestion stays **provisional until a human verifies it** — the app never silently treats a suggestion as fact.

Protection actions

A **verified** observation can be linked to a protection action without duplicating the underlying evidence — so a response is tied to a confirmed record.



Structured evidence capture with review, correction and approval. (Shown in a FieldWise reference build.)

The evidence workflow

All structured evidence moves through **review** → **correction** → **approval**, with a full **audit history** of who did what and when. Only approved evidence flows into reports and exports.

Important. Sensitive wildlife coordinates are governed by the location-sensitivity model — a protected species' exact location can be generalised or hidden everywhere it could otherwise appear, including exports.

SECTION 4 · WORKS & REGISTERS

Water, operational assets & restricted work

Waterways & riparian work

Record **waterway** features with crossing and riparian-work metadata, so work near water carries the context it needs.

Operational assets

Record **operational assets** with a mapped location, condition, access notes and a **restricted-access** flag where relevant.

Pre-clearance & restricted work

Higher-risk work is gated so it can't proceed undocumented:

Control	What it requires
Pre-clearance check	An evidence summary and an explicit pending / approved decision before work proceeds.
Restricted-work record	A permit, the required qualification, the operator, and chain-of-custody evidence — all present before the work can be authorised.

Important. A restricted-work record can't be authorised until its permit, qualification, operator and chain-of-custody evidence are all in place — the app enforces the gate, but it doesn't replace the permit or licence itself.

Tip. Capture the permit and qualification details once in the registers (next page) — restricted-work authorisation can then check against current, verified records rather than re-entering them each time.

SECTION 4 · WORKS & REGISTERS

Registers & access packs

Operational registers

The app keeps validated registers so the things that must be current, actually are — each checks inspection, expiry or verification and the current date:

Register	Tracks
Equipment	Equipment with inspection and expiry, and an authorisation check.
Chemical	Chemicals with inspection/expiry and authorisation to use.
Permit / licence	Permits and licences with explicit verification and a current-date check.
Qualification	Operator qualifications with verification and currency.

Access packs

When you need to share a subset of a project with a landholder or contractor, a time-limited **access pack** follows least-privilege by design:

- Only **allowlisted layers** are included.
- **Sensitive geometry is disabled by default.**
- The pack is **time-limited** — access expires rather than lingering.

Note. Registers and access packs are how the app keeps professional accountability: expired equipment or an unverified permit is caught, and a shared pack can never leak more than it should.

SECTION 5 · OFFLINE, SYNC & REPORTS

Offline field days & sync

Offline field packages

Prepare an **offline project package** to take a whole project into the field. Each package carries a manifest version, an expiry, a sync cursor and a media-outbox count, so you always know it's current and complete.

The change queue

Everything you capture offline goes into a durable change queue and moves through a safe set of states:

Queued → Validating → Upload → Retry → Conflict → Synced

- A **synced** record can't be accidentally re-queued.
- A **conflict** or a failed upload needs an explicit retry or resolution — it never silently overwrites.
- Photos and media upload through a dedicated **media outbox**.

Accountable works

Management actions carry work-order identity, an assignment scope and expiry, a seasonal window, dependencies and a version — so field work stays accountable and in the right order.

Tip. Build a fresh offline package before a remote field day and let it sync fully when you return — the queue handles the rest, and conflicts wait for you to resolve them deliberately.

SECTION 5 · OFFLINE, SYNC & REPORTS

Reports & controlled exports

Reports & registers

The report centre produces **branded PDF reports** and **CSV registers** from your approved records — the professional outputs you hand to a client, a regulator or your own files.

Controlled exports

Every export runs through a **pre-flight check** before anything leaves the app. It will only proceed when:

Check	What it means
Attribution	The export carries proper attribution.
Approved scope	Only approved records are included — unapproved spatial features are blocked.
CRS provenance	The coordinate reference system is recorded.
Privacy-safe geometry	Sensitive exact geometry is blocked in client and public modes.

Important. In a client or public export, sensitive exact locations are automatically withheld or generalised — you can't accidentally publish a protected species' or restricted site's precise coordinates.

Note. Advanced GIS deliverables — a shared Pro Hub layer catalogue and GeoPackage / KML / Shapefile writers — are rolling out through the shared Professional Core; the PDF and CSV report centre is the current, offline-safe path.

Controlled exports are audited and scoped by approval and sensitivity, the same principles that govern the map and the evidence workflow.

Section 6 · The Pro Hub & Core

Your shared workspace & cloud GIS

FieldWise Land & Wildlife Pro works standalone and offline, and connects to your organisation's **Professional Core** — the shared backbone across the FieldWise Pro suite — for accounts, multi-device sync and shared spatial data.

Cloud spatial features

- Canonical spatial features are **read through a secure, authenticated view** and **written through a controlled create action** — never by touching base tables directly.
- This is what enforces sensitive-geometry rules (exact / generalised / hidden) at the server, not just on the device.
- Cloud is opt-in per the map's data source; with it off, the app is fully local.

What needs a connection

Works offline	Needs a connection
Capture, validation, plans, monitoring, evidence, registers, offline packages, local PDF/CSV reports	Cloud sign-in, multi-device upload/sync, and reading shared cloud spatial features

Coming through the shared Core

Deeper Pro Hub GIS features — a shared **layer catalogue**, a shared map composer, and authorised **GeoPackage / KML / Shapefile** writers — arrive through the shared Professional Core package as it rolls out across the suite.

Note. Everything the app captures stays yours and local first; the Pro Hub adds shared accounts, multi-device sync and org-wide spatial data on top — it never gates basic field work.

BEST PRACTICE

A recommended end-to-end workflow

A dependable order of work for a land-management program:

1 Set up the workspace

Create the client, project and property; map the property boundary and management zones.

2 Write the Land Management Plan

Capture values, objectives, threats and actions; move it through review to an approved revision.

3 Prepare for the field

Build an offline project package so the whole job is on the device with no connection needed.

4 Capture mapped evidence

Record weeds, pests, restoration, habitat assets, photo points and wildlife — each with geometry and validation.

5 Verify & act

Human-verify wildlife identifications, link follow-up and protection actions, and inspect habitat assets on schedule.

6 Keep registers current

Log permits, qualifications, equipment and chemicals so restricted work can be authorised against verified records.

7 Review & approve

Work evidence through review, correction and approval — only approved records reach a report.

8 Sync, report & share

Reconnect to sync, generate PDF/CSV reports, and share a least-privilege access pack or a controlled export.

Tip. Two habits carry the most weight: **map and validate evidence as you capture it**, and **keep the registers current** — together they make reports and restricted-work authorisation almost automatic, and every export permission-safe.

REFERENCE

Troubleshooting & glossary

Quick troubleshooting

If...	Then...
You can't sign in or sync	Cloud sign-in and multi-device upload need a connection. Offline, keep working — records queue and sync later.
A weed or pest record won't complete	A required field is missing — e.g. mapped area and a treatment/product pairing for weeds, or a control effort where pest damage is high.
A wildlife ID shows as provisional	Species Assist suggestions stay provisional until a person marks the observation human-verified.
Restricted work won't authorise	Its permit, qualification, operator and chain-of-custody evidence must all be present and current first.
An export is blocked or coordinates are hidden	The pre-flight check blocks unapproved records and, in client/public modes, sensitive exact geometry — approve records and choose the right export mode.
A synced record won't change	Synced records are terminal; conflicts and failures need an explicit retry or resolution.

Glossary

Term	Meaning
Property / zone	A landholding and its management zones; records attach here.
Land Management Plan	A versioned plan of values, objectives, threats and actions for a property.
Photo point	A fixed, ID-matched location re-shot over time for genuine before/after comparison.
Species Assist	Suggested wildlife identification — provisional until human-verified.
Access pack	A time-limited, least-privilege share for a landholder or contractor.
Controlled export	An export that passes attribution, approval, CRS and privacy-geometry checks.
Professional Core / Pro Hub	The shared online workspace and cloud GIS across the FieldWise Pro suite.

A note on responsibility

The app records field evidence and professional decisions. It does **not** replace permits, licences, authorised procedures, regulatory advice or qualified professional judgement. For product information visit fieldwiseeducation.com.au/professional.