



FREE LESSONS / LEARNING PLAN

Small lessons. Practical progress.

A flexible route through GIS, remote sensing, QGIS, spatial data and research skills. Work at your own pace and apply each idea.

REFERENCE PLAN PREPARED

Friday, 30 October 2026, 18:48:24 SAST (UTC+02:00)

LESSONS

10

READING TIME

141 min

COMPLETED

Your own pace

YOUR LEARNING ROUTINE

- 01** Choose one lesson that helps with a task or skill you want to develop.
- 02** Read the outcomes and explanation, then try the practical activity.
- 03** Attempt the self-check before revealing the suggested answer.
- 04** Save the lesson PDF and add an example from your own work.
- 05** Mark it complete after practising, then move to the next lesson.

Start when you are ready

Begin with What GIS actually does, or choose a lesson that matches your current task. Allow additional time for practice and reflection.

This reference plan has no personal progress. Download from Free Lessons with JavaScript enabled for a fresh date and your browser progress.

Your lesson route.

Follow the suggested order or choose a skill you need now. Tick each box after completing the practice and self-check.

01 / GIS FOUNDATIONS

- ☐ **What GIS actually does**
10 min / Beginner
- ☐ **Vector and raster data without confusion**
12 min / Beginner
- ☐ **Coordinates, latitude, longitude and CRS**
15 min / Beginner
- ☐ **Build a map that can be read and trusted**
14 min / Beginner
- ☐ **Read the QGIS interface as a workflow**
12 min / Beginner

02 / REMOTE SENSING

- ☐ **Remote sensing: from energy to image**
15 min / Beginner
- ☐ **The four resolutions of satellite imagery**
16 min / Intermediate
- ☐ **NDVI: useful signal, not automatic truth**
15 min / Intermediate

03 / RESEARCH AND DATA

- ☐ **Read a GeoJSON file with confidence**
14 min / Intermediate
- ☐ **Move from study summaries to literature synthesis**
18 min / Postgraduate

Use the lesson practice tasks and downloadable data in QGIS or a text editor. Detailed YouTube videos are coming soon; check each lesson for availability.