



Society for  
Conservation GIS



## Working with ArcGIS Pro for Natural Resources

This course introduces participants, who work in the natural resources sector, to the basics of ArcGIS Pro, or for participants who wish to learn how to migrate from ArcGIS Map to ArcGIS Pro. This class teaches the core functionality of ArcGIS Pro while introducing advanced topics. It is appropriate for new GIS users wanting more in-depth instructions on core skills. The courses are based on real projects, with an emphasis on the skills needed to complete your projects successfully and efficiently.

Core GIS skills include compiling and organizing data, understanding projections, using symbology and labels to understand the data, working with table tools to maximize the database functionality of GIS, working with edit tools to create and clean the data, performing basic analysis, and creating finished maps. Students will get to practice and improve their skills while working through typical GIS projects. The main project exercises use data about timber sales and Spotted Owl nests from the Siuslaw National Forest as well as the Florida Panther Wildlife Refuge.

### Topics include:

**Section One:** An ArcGIS Overview: explore the ArcGIS Pro Interface, perform queries, classify and symbolise data, perform analysis, create a layout.

**Section Two:** work with Catalog to examine and prepare data, create a map in a ArcGIS Pro project and set properties, use selection methods to select the data for the project, work with symbology, labels and annotation, work with tables, perform basic geoprocessing and analysis, create a finished layout.

**Section Three:** Using geoprocessing tools for analysis, editing features and attributes, working with Excel and temporal data, taking your data offline and into the field with you (optional)

**Course dates:** 11<sup>th</sup> – 14<sup>th</sup> September 2023

**Course length:** 4 days

**Where:** online

**Cost:** GSSA Members: R3000 incl VAT; Non-Members R3500 incl VAT. **The course needs to be paid in full by 31 August 2023.**

**Instructors and assistants:** Debbie Jewitt, Linda Kleyn and Bimall Naidoo

**Software licences:** Temporary training licences will be provided for ArcGIS Pro for the duration of the course.

**You will need:**

**Computer specifications:** Windows 10 or 11 (64 bit). Hardware requirements: minimum of 2 cores CPU, minimum of 32GB of free space, minimum of 8GB Memory or RAM, dedicated graphics memory (4GB), visualisation cache, DirectX 11 (feature level 11.0, Shader Model 5.0), OpenGL 4.3 with the ARB\_clip\_control and EXT\_texture\_compression\_s3tc extensions and screen resolution minimum of 1024 x 768. See <https://pro.arcgis.com/en/pro-app/latest/get-started/arcgis-pro-system-requirements.htm> for more details.

**Additional computer screen or monitor:** Because the course and materials will be hosted online, it is preferable to have an additional monitor or computer screen to have both ArcGIS Pro and the manuals open at the same time.

**Good internet access** with sufficient data.

**Power!** For the South African participants, try and make a plan around loadshedding and have backup power supplies (or visit a friend or coffee shop who has backup power!) for the duration of loadshedding.

For more information on the course contact Debbie on [Debbie.Jewitt@kznwildlife.com](mailto:Debbie.Jewitt@kznwildlife.com).

For payment queries contact Minette van Lingen at [info@grassland.org.za](mailto:info@grassland.org.za)

To register for the course, click here: <https://app.glueup.com/event/gssa-online-gis-course-september-2023-85226/>

The course will be limited to 10 participants.