

GPS SOP: Forest Road Survey in ESRI FieldMaps

Note that industry-grade, higher accuracy GPS equipment has been acquired by the Veon and that all new forest road surveys must be mapped using these GPS receivers. The forest road geodata, which is required to complete form 2 application maps, must be captured and then uploaded in the field using the ESRI FieldMaps application on your work phone.

The survey template is called “Forest Road Survey - FC:07025”. Search for relevant template in your FieldMaps app using these suggested keywords. Collect data by selecting feature from dropdown menu and label appropriately as shown:

1. Site code
2. Type of survey



Items to collect:

- Bellmouth entrance – Left, right edges, and centre point at edge of public road.
- Position of gate
- Position and size of pipes under the road
- Silt trap positions
- On a turn, capture start of turn, walk 10m, capture another, walk 10m until end
- For Hammerheads capture the base midpoint and the middle of the end.
- For the end of the road, capture the middle of the road at the end.
- For bridges – capture the start and end of the bridge.
- Width – at regular intervals capture the width of the road
- For the road length, always capture data in the middle of the road.

As this layer will capture roads nationwide, we can add bookmarks and offline basemaps and functions to fieldmaps for your new roads. Offline maps required feature loading and trimming so let the GIS team know in advance. These functions will also load maps and store data more quickly in the field.

Most foresters know how to use the GPS equipment. If not, the GIS team will be conducting fieldMap and GPS tests in different regions during Form Roads work in upcoming months. Please let us know when you are about to survey a completed road and we can plan a visit.

For new installs, links can be provided to prompt automatic set up of phone, app and surveys.

Future survey templates will be stored in the FieldMaps library and remain available for ad-hoc use by using the search tool in the top right corner of the app.