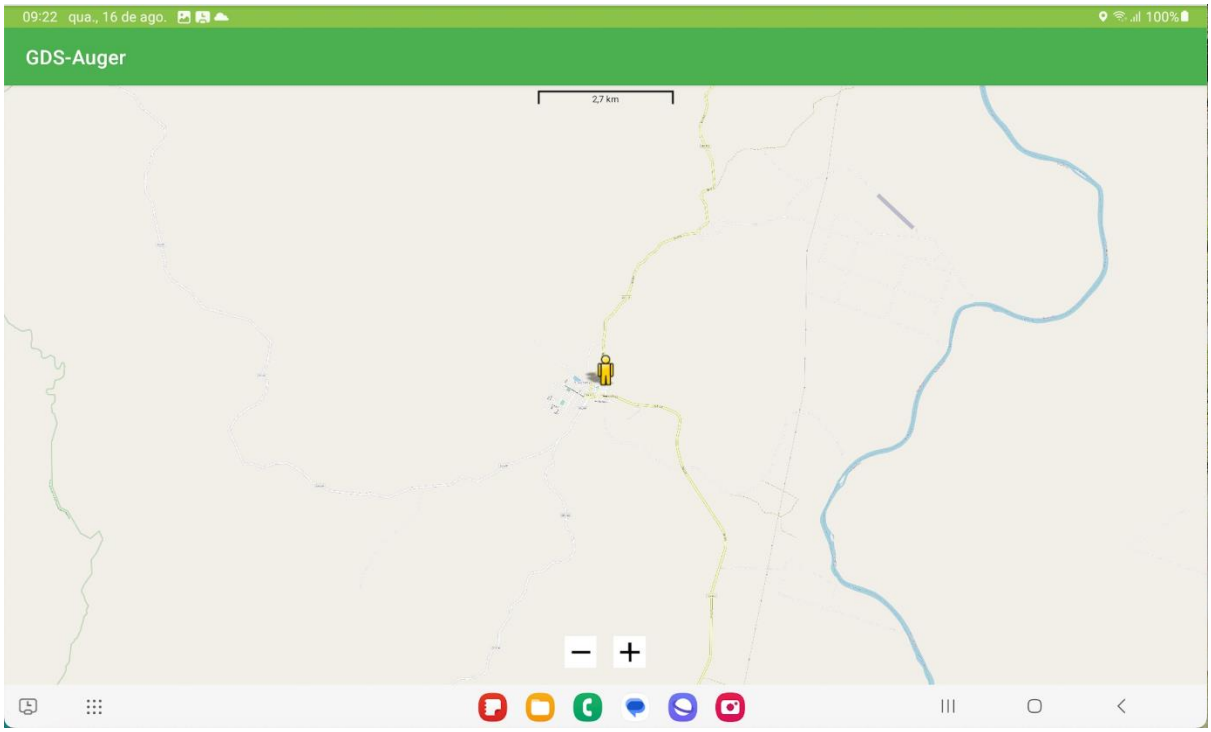
GDS-Auger App

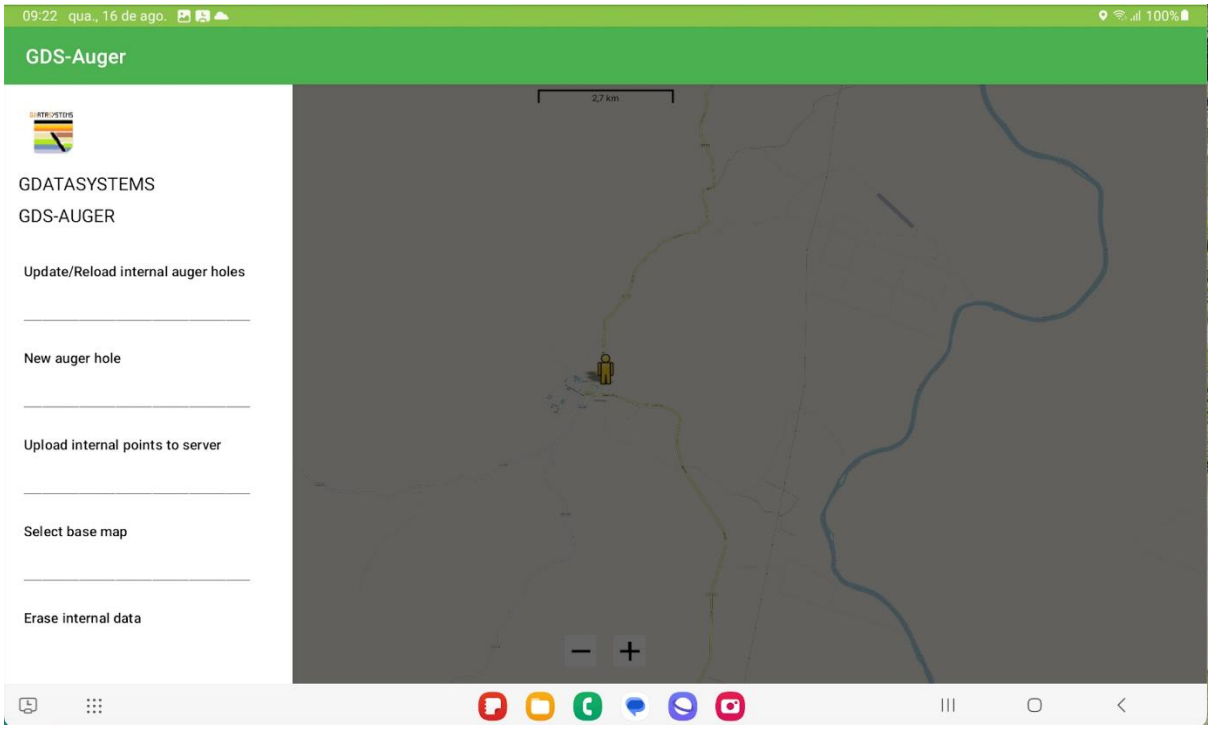
Each app uses OSM map tiles OSM (Open Street Map) with the programmed sampling points on it. Each collection point is converted into a marker that, when clicked, pops-up a menu particular to each app type. The menu will display a particular form and the data from the form will be loaded internally into the tablet database (offline). The coordinates and elevation data are collected automatically by the tablet GPS. After returning from the field all the collected data can be uploaded to the main database located on a remote server using the available internet connection. The app also stores all the data internally using CSV file format as a backup. The system works exclusively using Latitude-Longitude on WGS-84 datum and all conversions are handled automatically by the app during the upload process adjusting them to the defined database datum (database SRID).

After installing the App from the Google Play Store on your tablet and loading the basemaps and AOI start it by clicking on the app icon.

The following map screen will appear showing your current location as a yellow person or a white triangle.

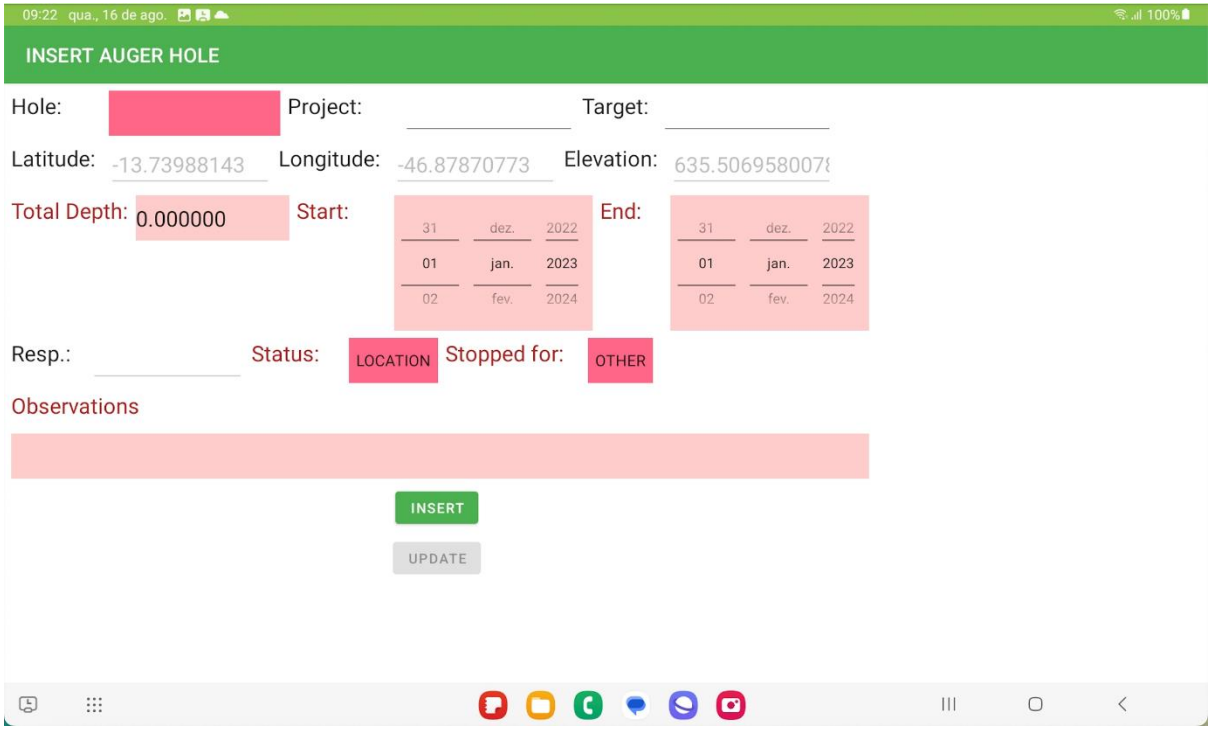


The app menu is displayed by sliding your finger towards the screen centre at the tablet left border.

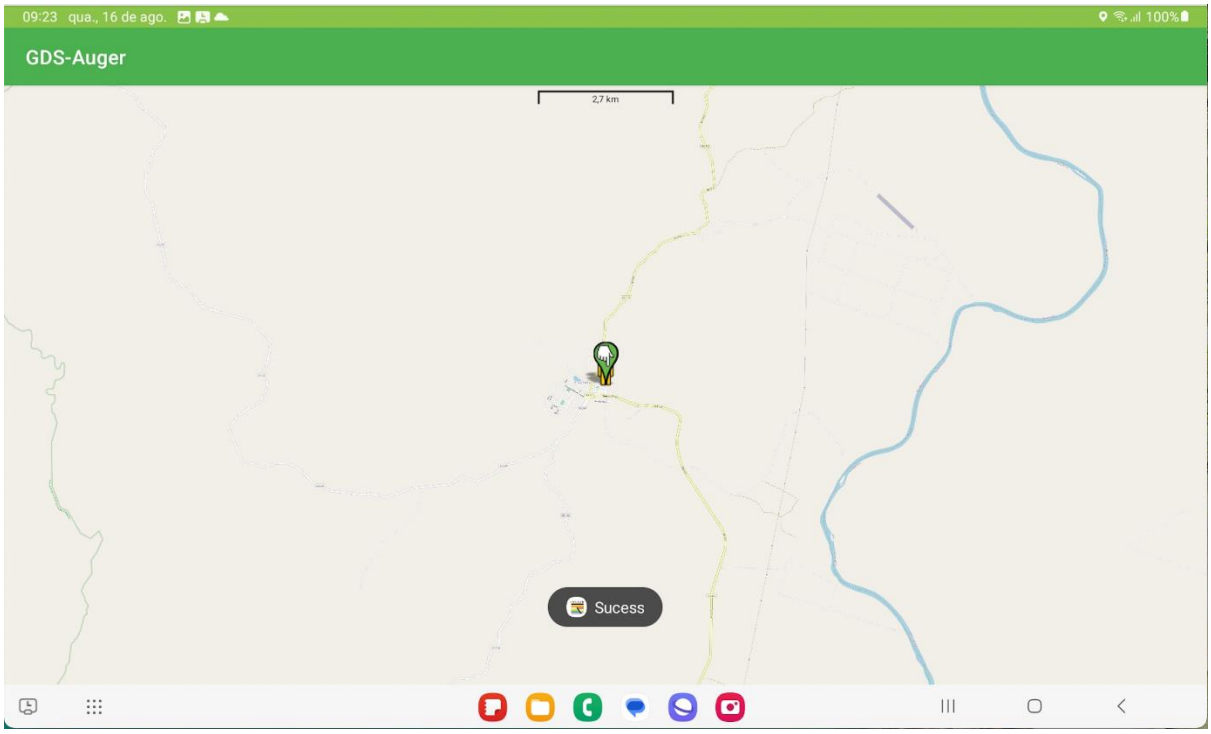


Selecting New auger hole will bring the following form to be completed accordingly. The latitude, longitude and elevation values are extracted from the tablet GPS at the location when the menu item is pressed.

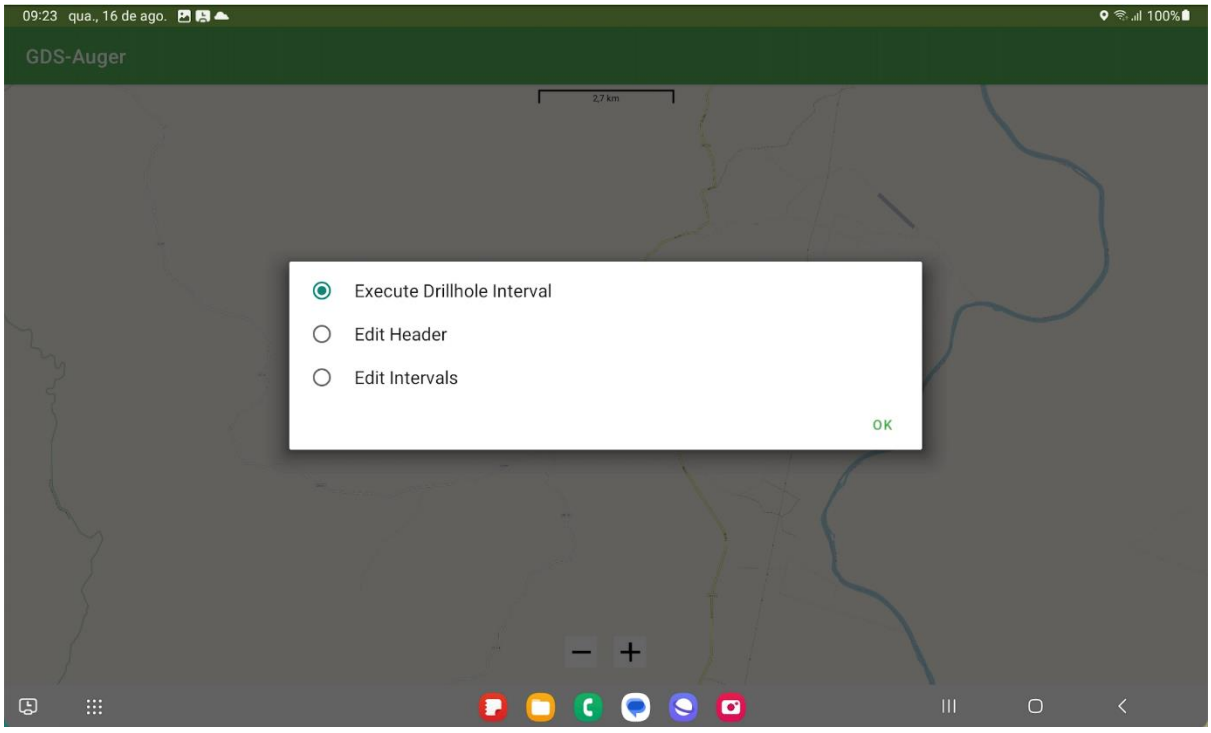
Fields in pink are mandatory to have a value where hole must be unique. The fields in salmon are optional.



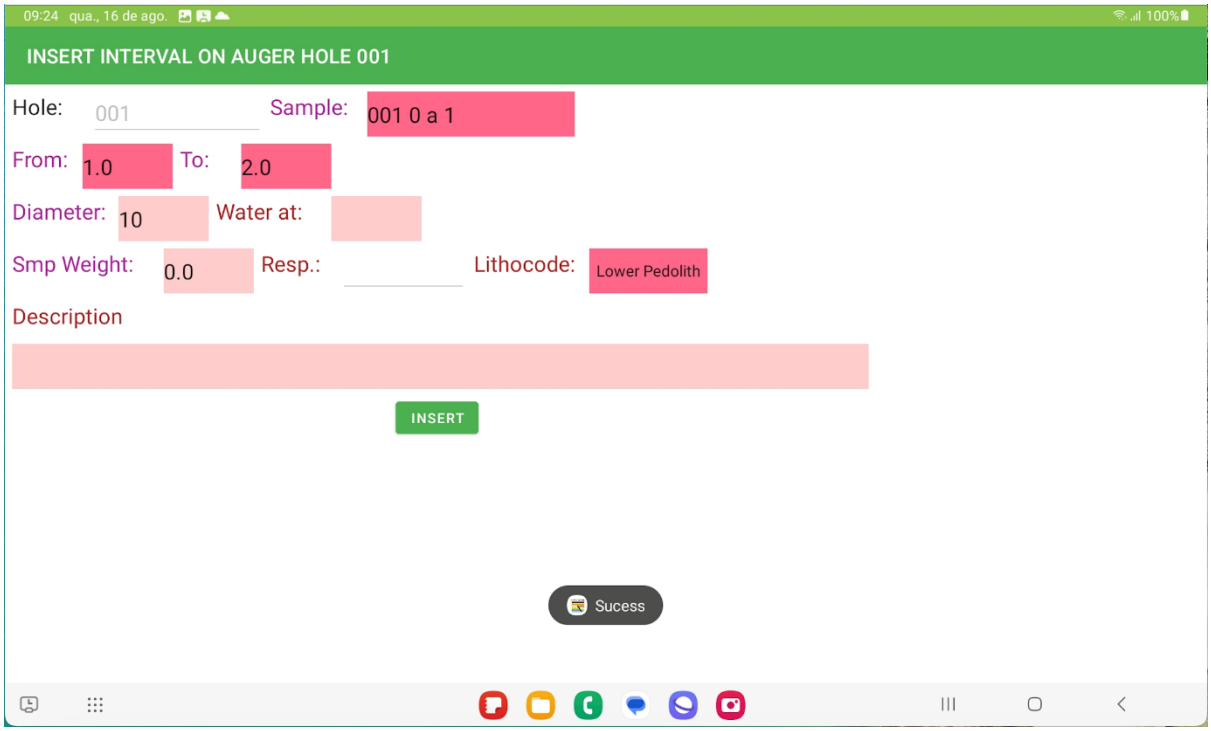
After filling the fields press insert sample and a brief “Success” message will appear. For each new auger hole point entered, a new marker will appear on the map screen.



Now, touch the point presented as a green marker to get the following dialog:

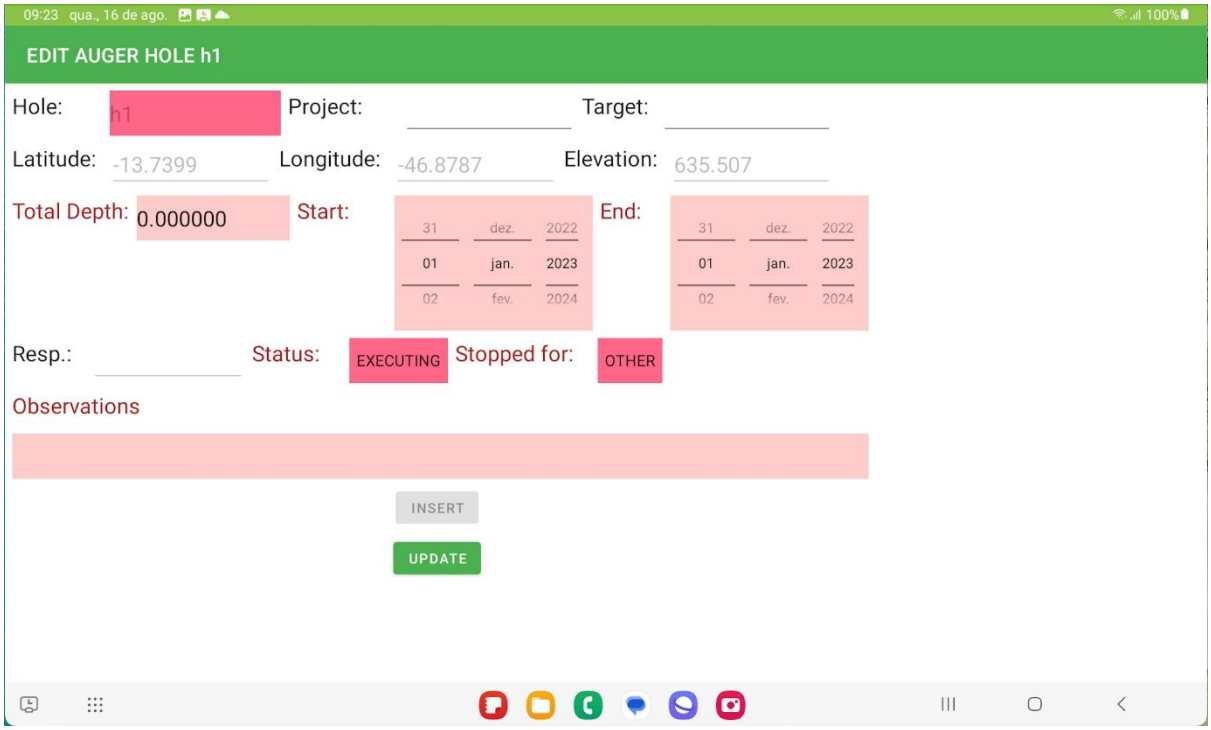


Select Execute Drillhole Interval and Press OK. The following form will appear:



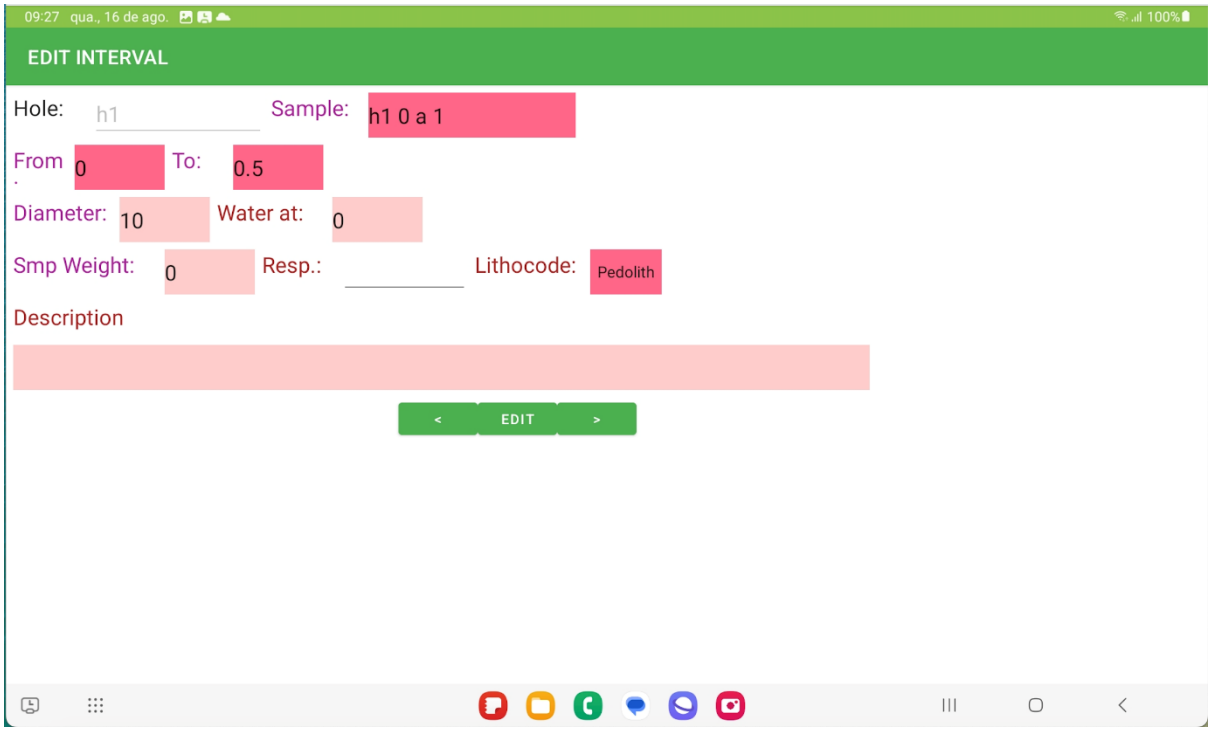
After inserting an interval, the Success message will appear and the interval will update to the next meter to be described.

Select Edit Header and Press OK. The following form with the data that was already entered in this location will appear for editing.



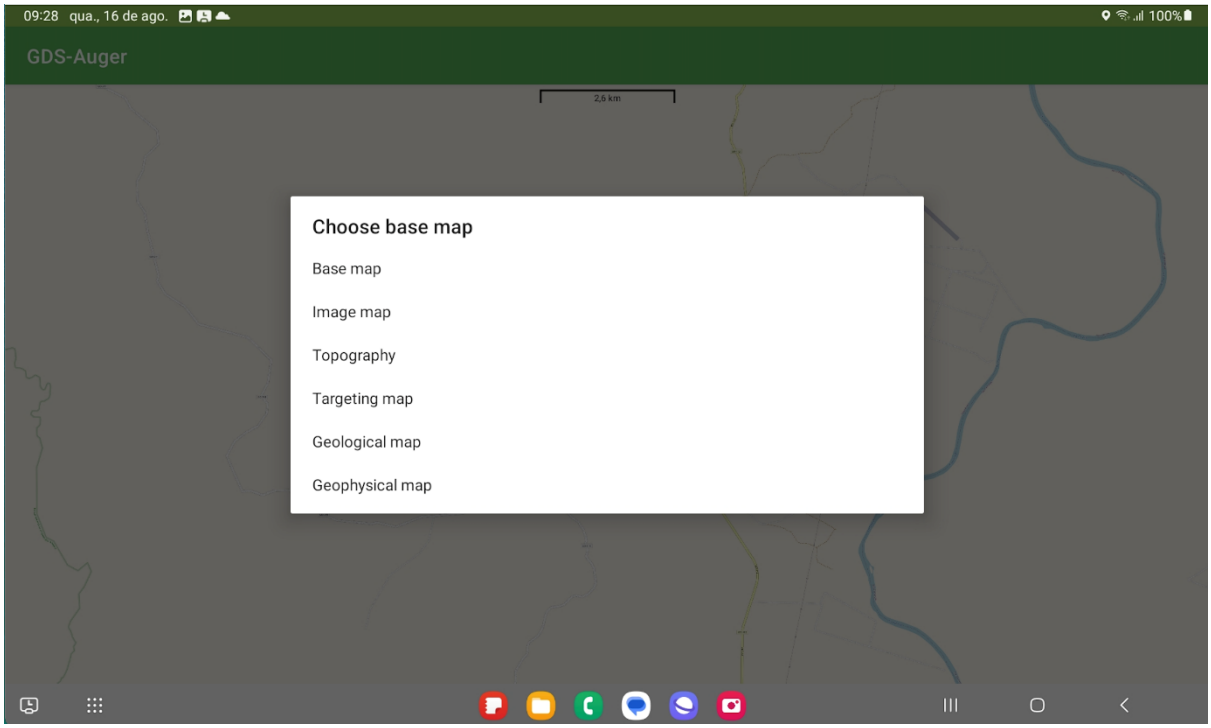
Right after editing the map screen with the "Success" notification will be displayed. If you perform the deletion of the point the related marker and its data will disappear.

The interval can also be edited by selecting the Edit Intervals option. Navigate using the arrows and edit the values pressing EDIT

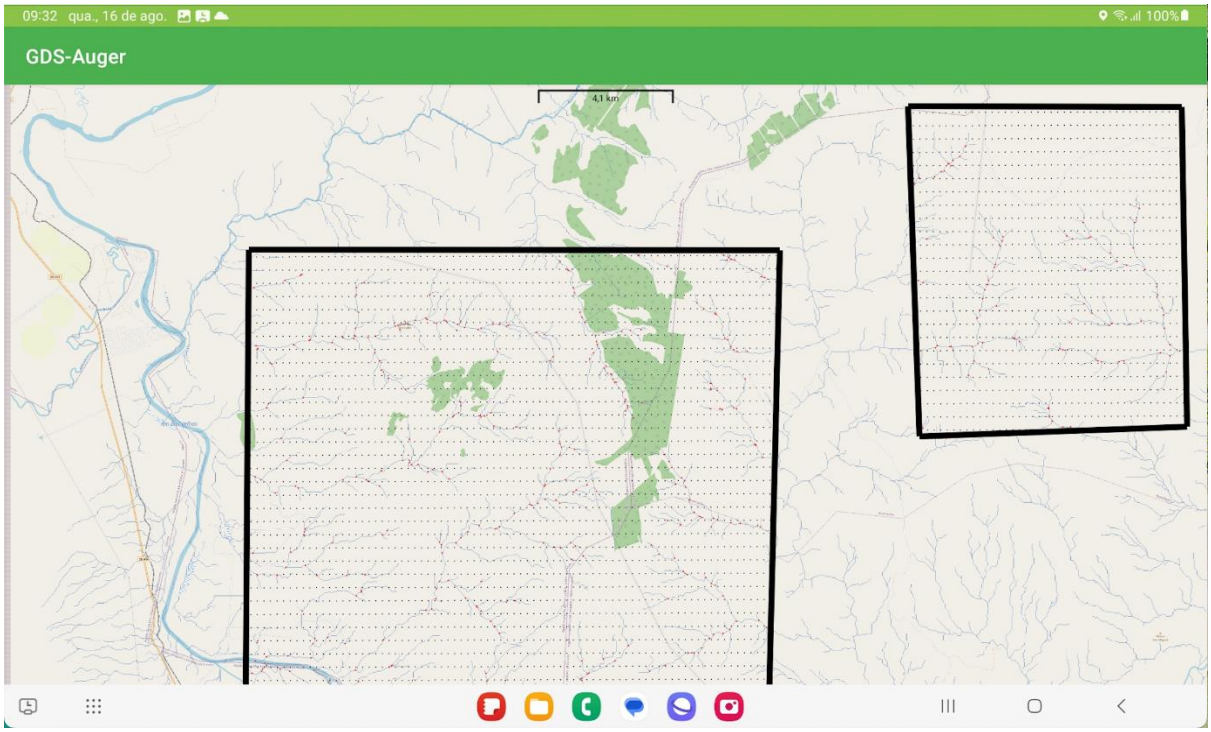


The background map can be changed to the previously loaded map using Select base map menu item. Choose a map from the options presented accordingly with your needs.

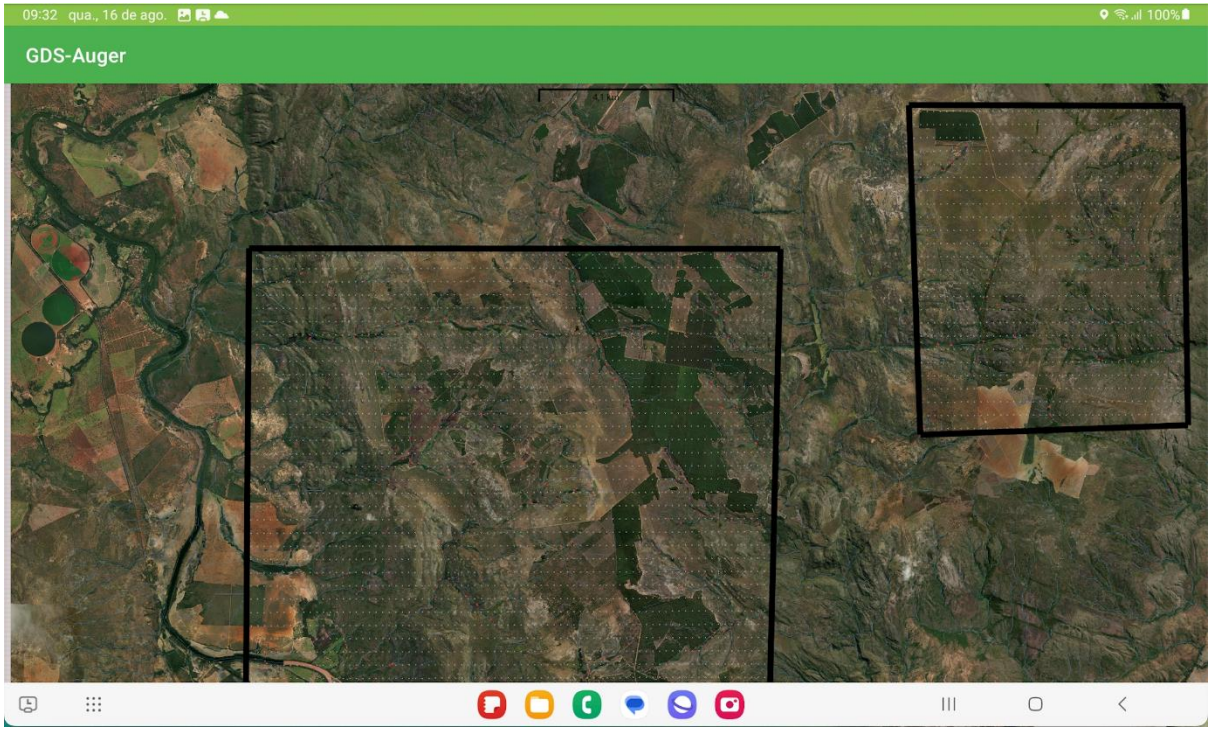
The maps can be zoomed in during the sampling process to better locate your position and to match with more precision the planned location already included on the base maps.


09:28 qua., 16 de ago.
100%
GDS-Auger
2,6 km
Choose base map
Base map
Image map
Topography
Targeting map
Geological map
Geophysical map

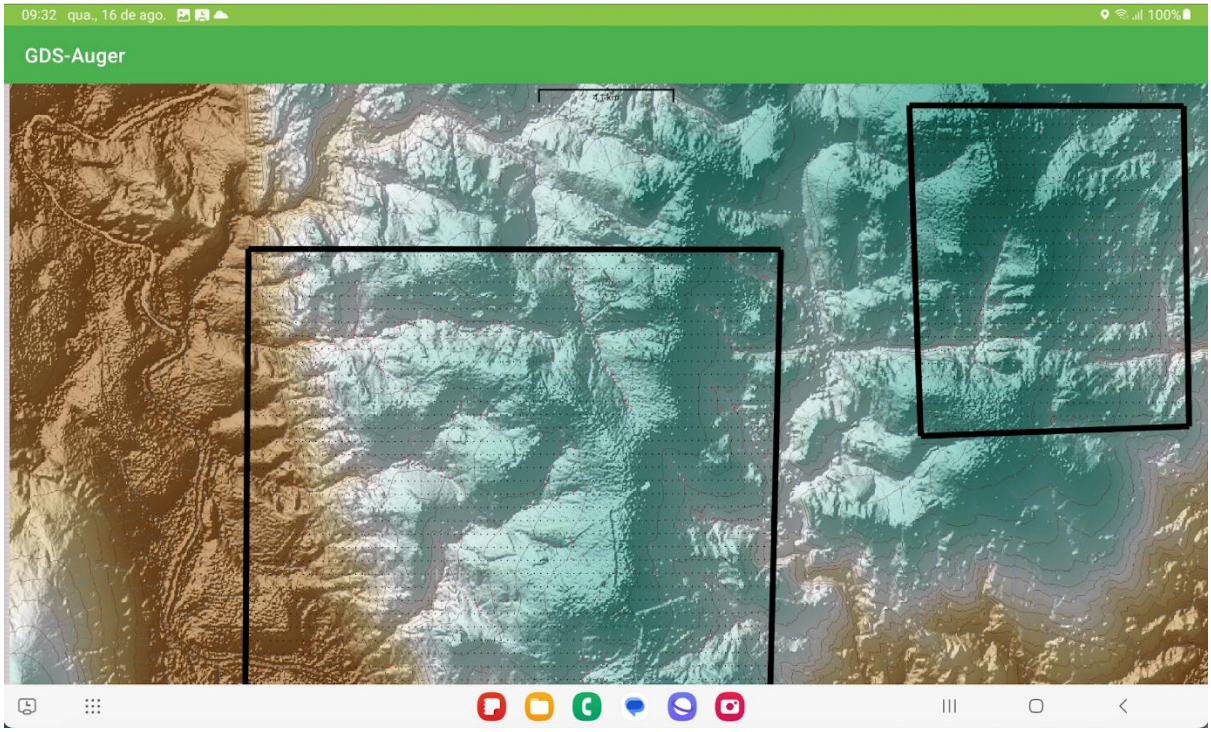
Base map


09:32 qua., 16 de ago.
100%
GDS-Auger
4,1 km

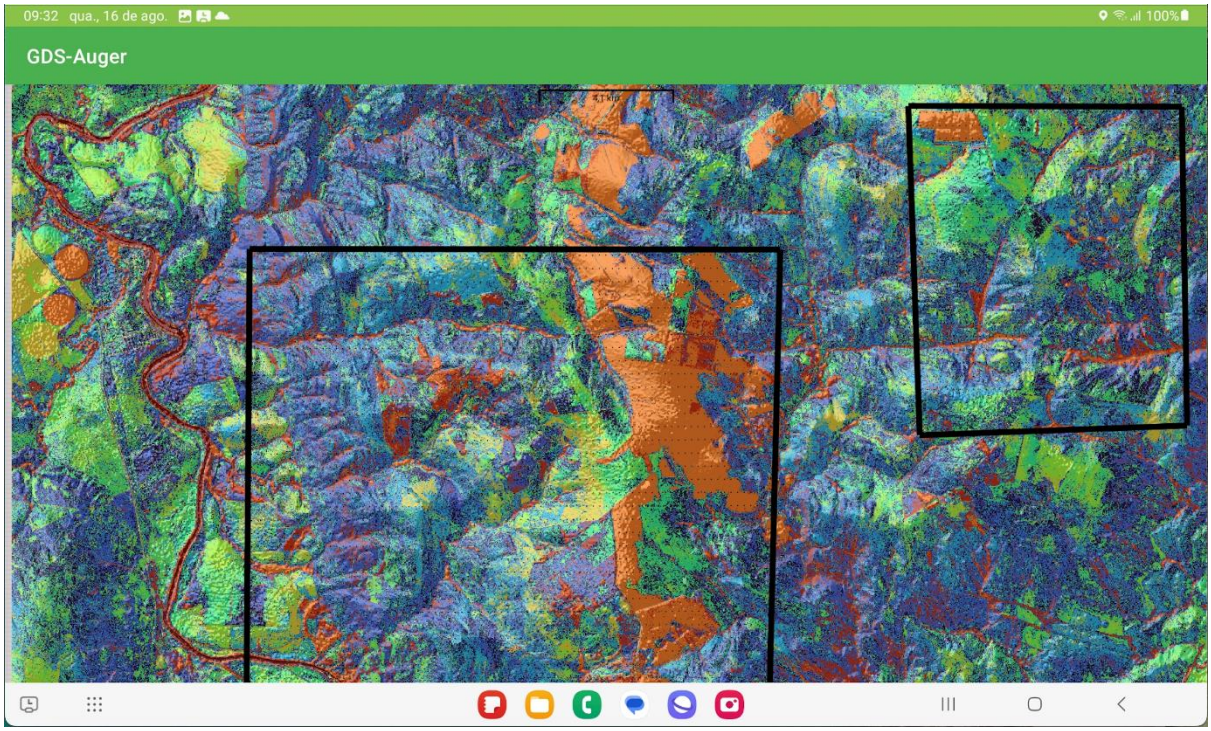
Satellite Image map



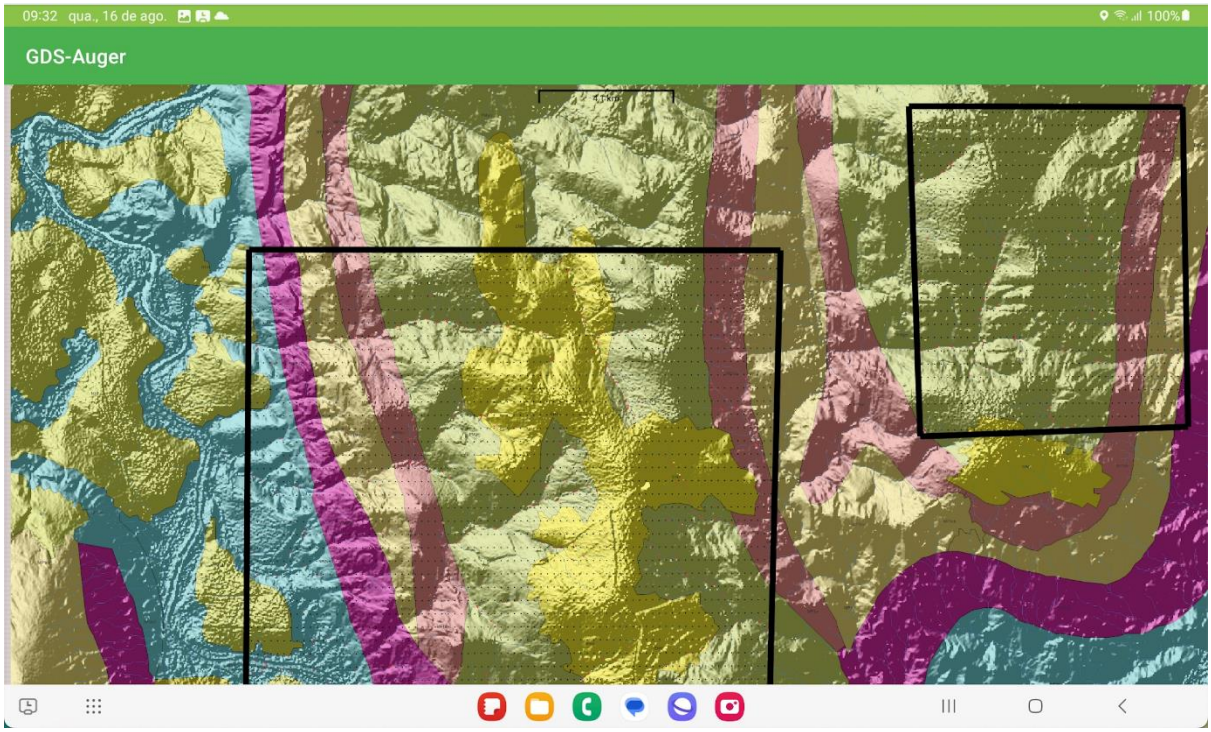
Topographic map



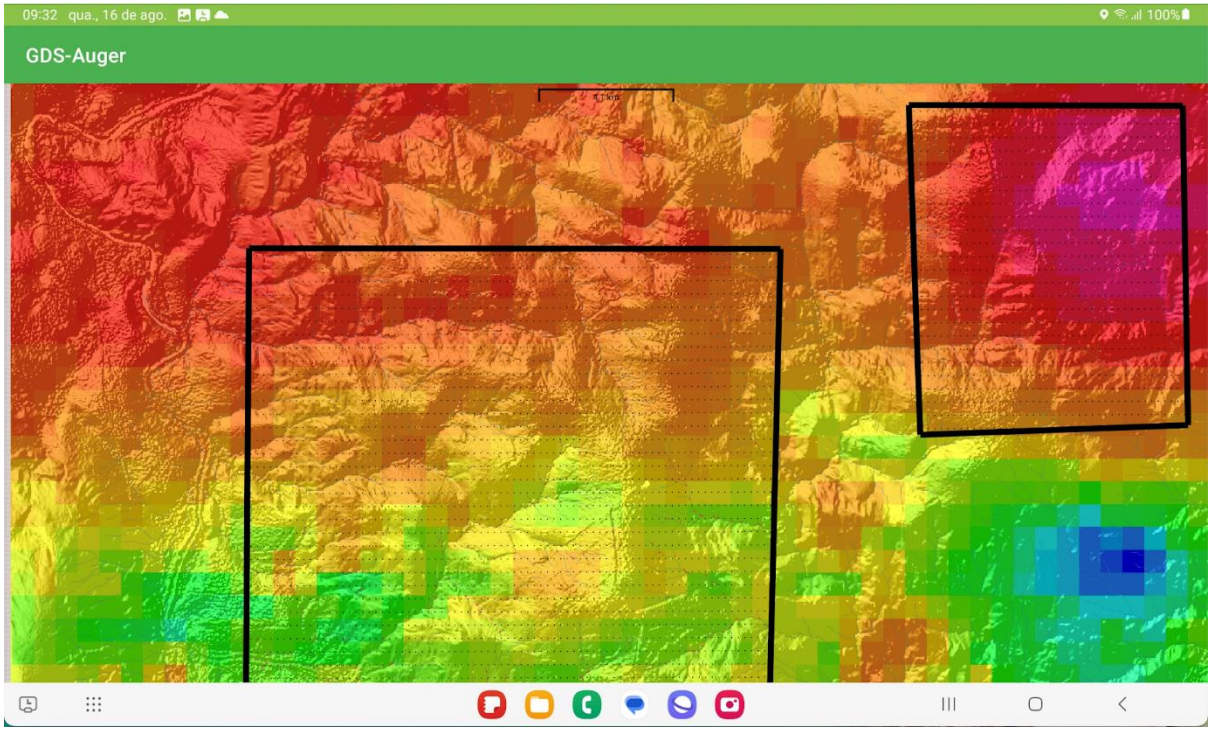
Targeting map



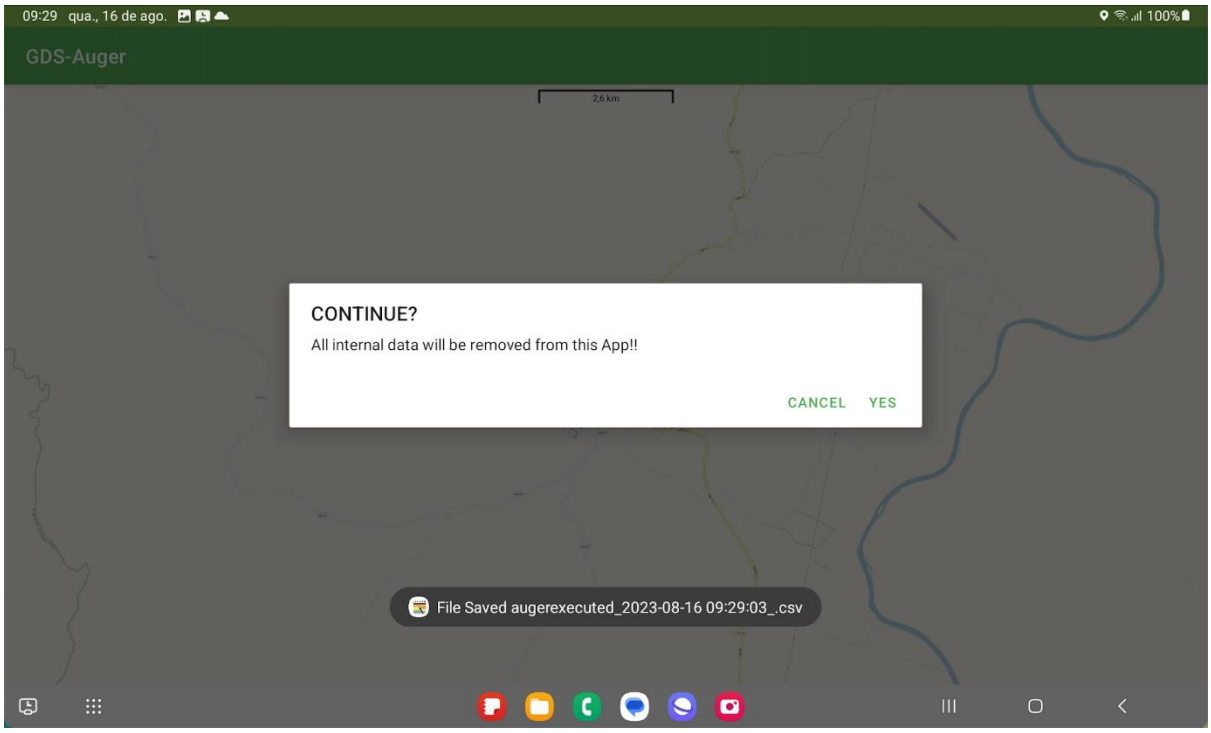
Geological map



Geophysical map



To clean the internal database data select Erase internal data from the menu.



After confirming using YES, the data will be backed-up as an internal app file and the collected data erased from the tablet.