

## Field Data Management/Migration to QGIS

### Tutorial

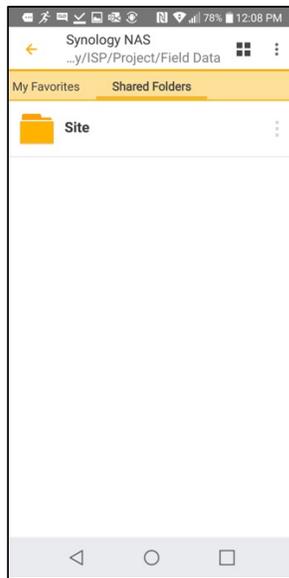
#### 1. Download data from Day 2 data collection (if not completed on Day 2)

Copy the Field Data folder from the main AGIS training folder into your named folder, and save the data file in the correct sub-folder:

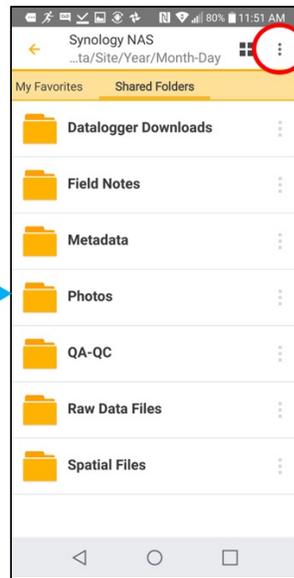
Your Folder > Field Data > OW Smithers (Site) > March 2020

- Photos > Photos
- GPS tracks, waypoints, etc. > Spatial Files
- Other?

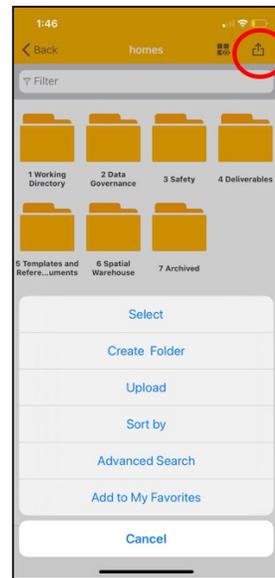
If using the DS file app:



Navigate to desired folder



Android: Select 3 dots



iphone/ipad: Select upload icon

2. Rename the files according to the ESI File Naming Standard (also available in Reference Materials Folder) \*dates are in YYYY-MM-DD\*

Field spatial data files:

Description\_site\_project\_datum\_date      \*\*find datum from device/application

Photos:

Photo number\_site\_project\_description\_date

3. Complete appropriate metadata form(s) and save with your data file

Field Spatial Metadata Form/Photo Metadata Form in  
5 Templates and Reference Documents > Metadata Forms)

4. Bring data into QGIS – method depends on data type

csv (spreadsheet) – Refer to relevant section in AQGIS Reference Manual

kml/kmz – Open QGIS project and add layers as you would shapefiles

gpx – Open QGIS project and add layers as you would shapefiles  
*If you're using a GPS, you can also explore the GPS Tools Plugin*

Troubleshooting tips:

- You may need to define the projection/datum, refer to the file name or look back at device/application to confirm. Latitude/longitude would likely be NAD83 (EPSG:4269) or WGS84 (EPSG:4326).
- To save your data layer in a format consistent with other GIS layers > Export > Save Features As... and save as new layer with CRS defined as EPSG:3005, choose ESRI shapefile or geopackage. Make sure you set the folder destination!

5. Add web map and confirm point locations

Web > QuickMapServices > select webmap (OSM usually a good choice)

## 6. Add labels to data points

Review attribute table information. Is there a column which would make sense to use for a label?

Add labels > Properties > Labels

Refer to AQGIS Reference Manual for steps.