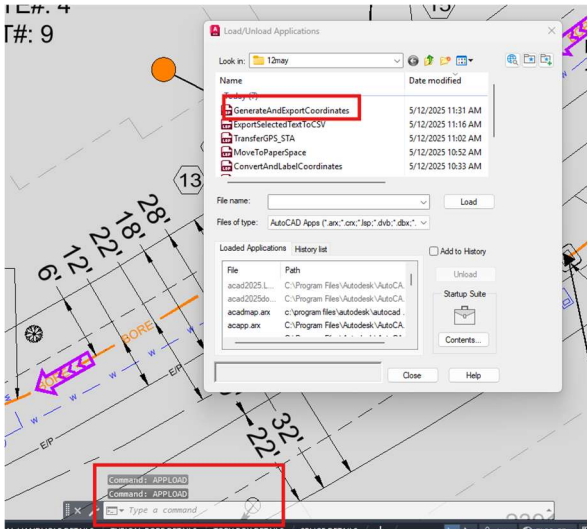# Coordinates Conversion from EPSG:2236 to EPSG:4326

Export GPS Coordinates of Toby Box in AutoCAD and Save as a CSV File

Step 1: Load the AutoLISP File

1. Open AutoCAD.

2. Type `APPLOAD` in the command line and press Enter.

3. A file dialog will appear—navigate to the folder where you saved the `**GenerateAndExportCoordinates.lsp**` file.

4. Select the file and click Load.

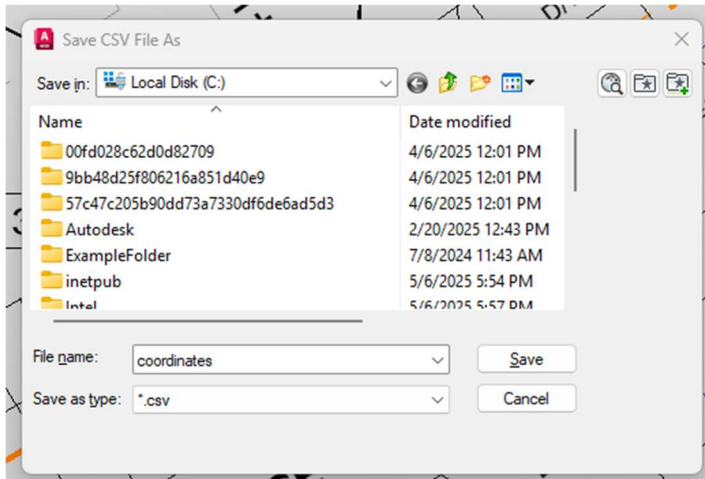

Step 2: Run the Command

5. After loading the LISP file, type `**GenerateAndExportCoordinates**` in the command line and press Enter.

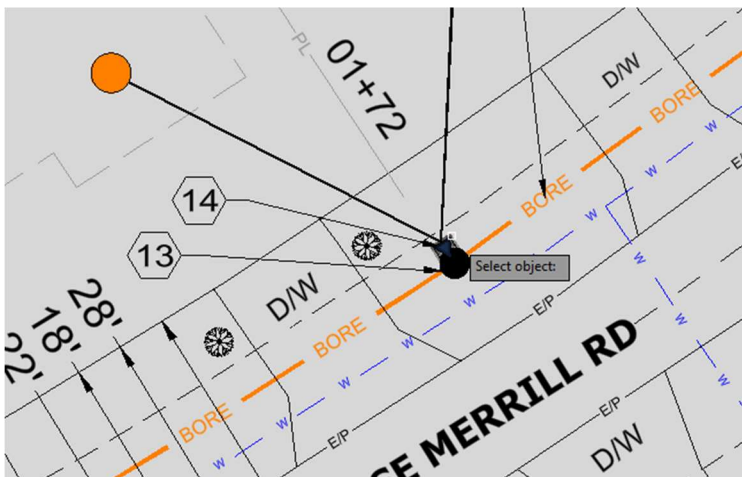### Step 3: Choose Save Location for CSV File

6. A file dialog will open, prompting you to select where to save the CSV file.
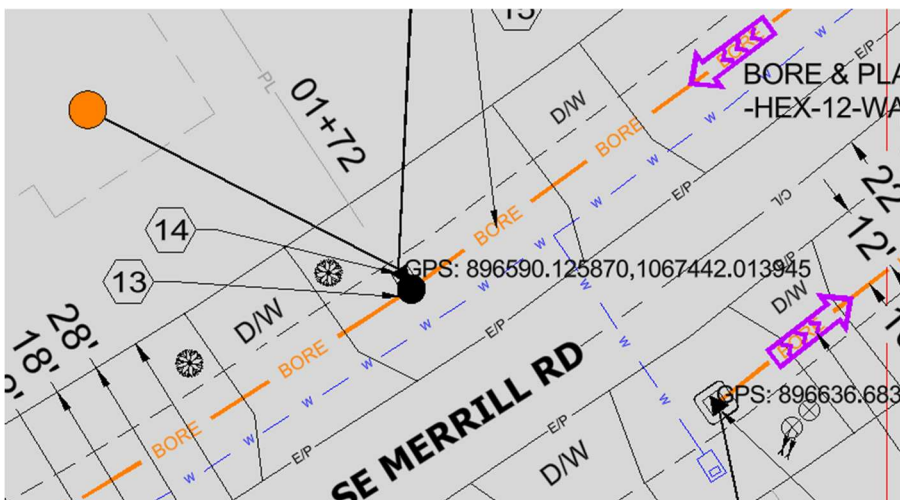
7. Browse to your preferred folder and click Save.

Step 4: Select Objects in AutoCAD

8. Now, select the target objects in model space that contain coordinate data.

9. Once selected, the script will generate labels with GPS coordinates.
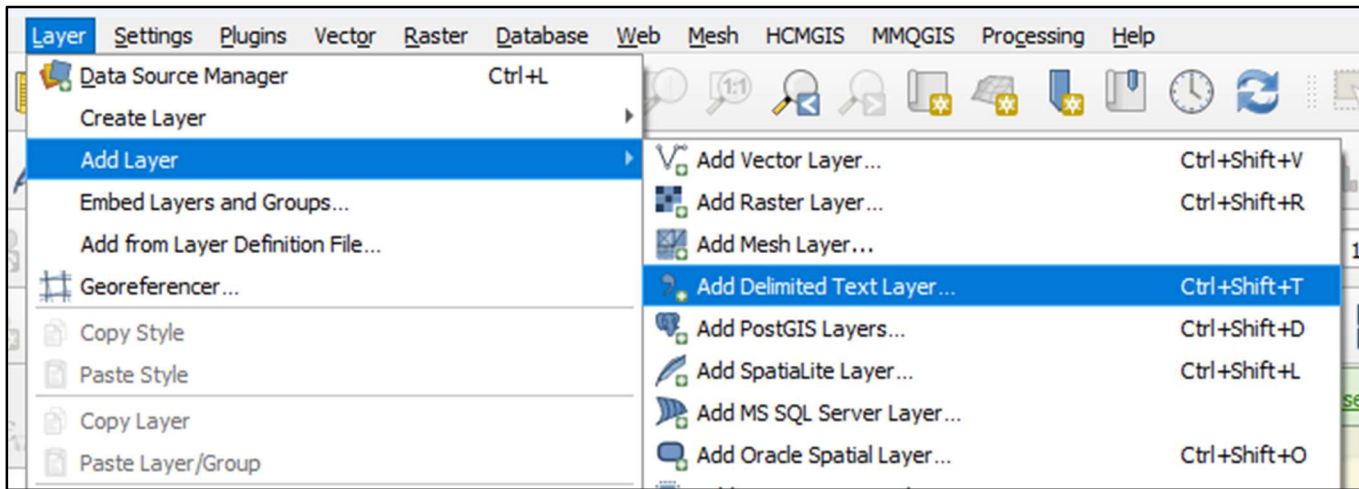

Step 5: CSV File Saved

10. The extracted coordinate data is automatically saved into the selected CSV file.

11. You can now use this CSV in QGIS for further processing.

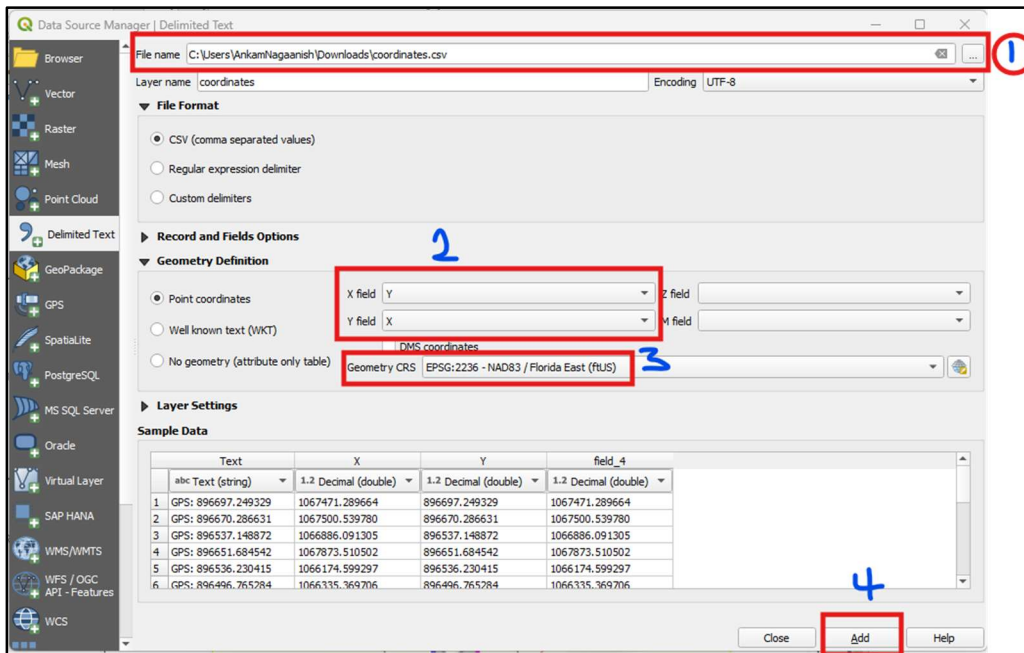# Coordinates Conversion from EPSG:2236 to EPSG:4326

Converting EPSG:2236 coordinates to EPSG:4326(Lat, Long) in QGIS

1. Open QGIS and ensure your project is ready.

2. In the top menu, click on "Layer" in the toolbar.

3. Select "Add Layer", then choose "Add Delimited Text Layer" from the dropdown options.

4. A dialog box will appear—fill in the necessary details:

- Browse for your CSV file (e.g., "coordinates.csv").
- Set X Field to 'Y' and Y Field to 'X' (ensuring correct coordinate mapping).
- Choose the CRS (Coordinate Reference System) as EPSG:2236 for accurate projection.
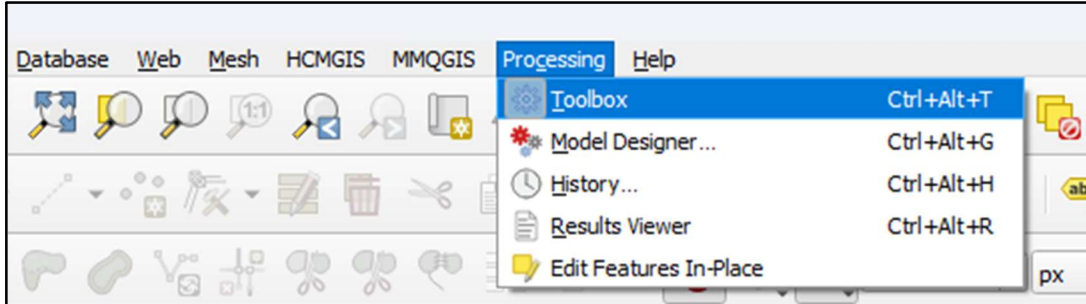

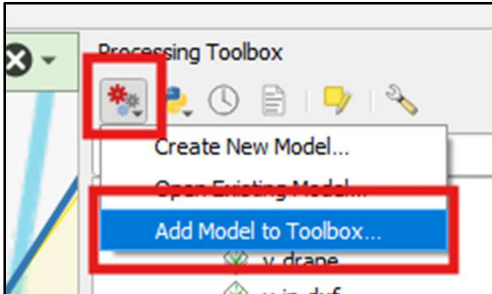5. Click "Add", and the data will be loaded into QGIS as a spatial layer.

Coordinates Conversion from EPSG:2236 to EPSG:4326

Converting EPSG:2236 coordinates to EPSG:4326(Lat, Long) in QGIS
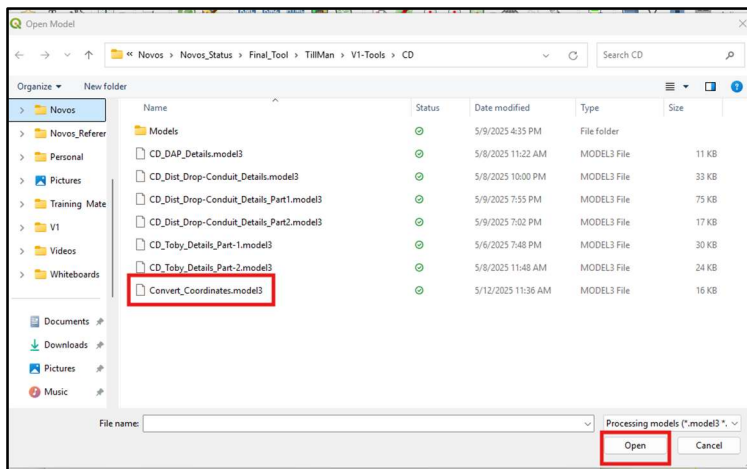
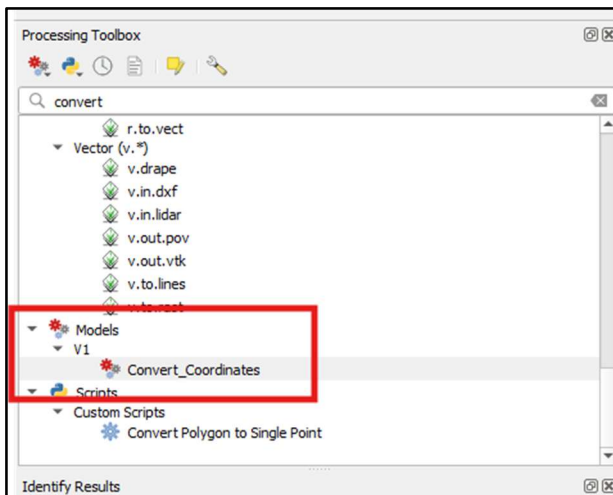1. Open the Processing Toolbox in the toolbar.

2. Click the icon and select "Add Model to Toolbox".

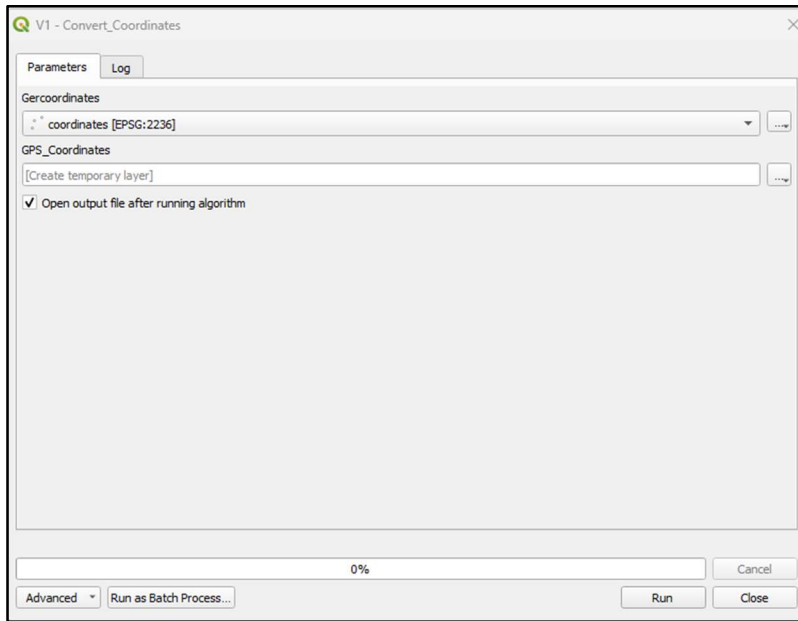3. Choose the model "Convert_Coordinates" and click "Open".

4. In the Processing Toolbox, find the "Convert_Coordinates" model and double-click to open it.
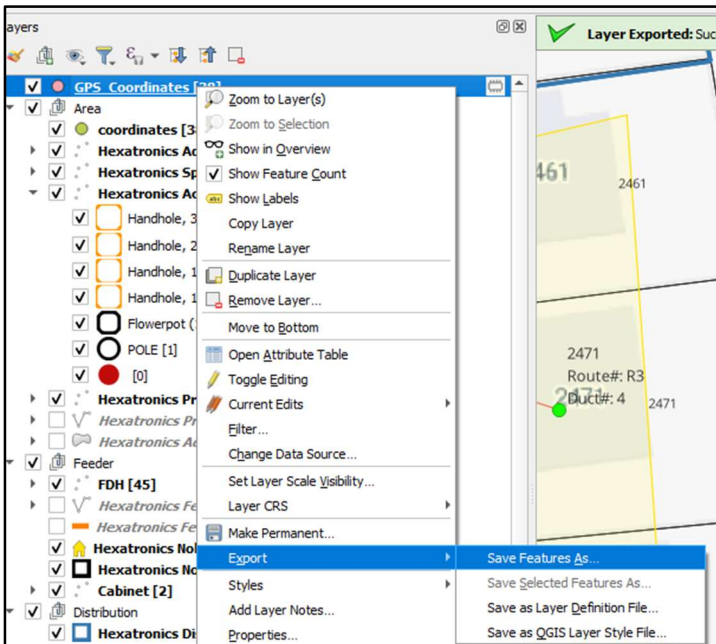
5. A settings window will appear—select the Coordinates layer as the input and run the tool.

6. Once processed, a new shapefile will be generated.
7. Export the shapefile by saving it to your preferred folder.

8. Open AutoCAD, then use MAPIMPORT to load the saved shapefile into your drawing.