GeoJSON Data Conversion
with ArcGIS Pro

Video tutorial available here: https://nfwf.sharefile.com/public/share/web-s72a9686267d649349698f814bb479a23

1 **Download the FieldDoc spatial data and unzip the output folder.**
- Right Click > Extract All...

2 **Prepare GeoJSON**
- Open the newly unzipped folder and **geojson** subfolder
- Change the file extension from ***.json** to ***.geojson**
- Open new ArcGIS project and map
- Navigate to the Geoprocessing pane and open the **JSON to Features** tool
- Drag the geoJSON file into the input box
- Set your geometry type
  - If your data have more than one geometry type, you will need to run the tool multiple times, one for each type (point, polyline, and/or polygon). Make sure to change the name of the outputs so they are not overwritten
- Run the tool

3 **Delete Fields**
- Open the Delete Field geoprocessing tool
- For each layer, delete all fields except for **id** and **name**

4 **Buffer Point and Line Data (Skip this step if all data is in polygon format)**
- Open the **Buffer** geoprocessing tool
- Input any data you have in point or line format **(not polygon)**
- Set a small distance, such as 5 meters
- Run the tool. Repeat this process if necessary so that all of the spatial data is in polygon format

5 **Merge Polygons**
- Open the **Merge** geoprocessing tool
- Input all of your polygons
- Choose an empty and accessible folder for your output location and add a ***.shp** extension to the output name
- You may want to use the field map to reconcile field differences and ensure proper consolidation

6 **Zip folder**
- Close ArcGIS Pro and navigate to the output folder
- Right click > Compress to > ZIP File

Questions?

Contact NFWF's GIS Data Science team:

Michael.Lagua@NFWF.org
Sophia.Marencik@NFWF.org

7 **Upload Data**
- Upload your zipped folder to EZG
- Select **name** as your display field

GeoJSON Data Conversion
with QGIS

Video tutorial available here: https://nfwf.sharefile.com/public/share/web-sa303cc3ed5fc4802b8144f1c2afcd5fd

1 **Download the FieldDoc spatial data and unzip the output folder.**
- Right Click > Extract All...

2 **Open JSON in QGIS**
- Open new QGIS project
- Open the unzipped folder from step one, and open the **geojson** subfolder
- Drag the file in this folder into the layers pane of QGIS (bottom left corner)

3 **Delete Fields**
- Right click your layer and select **Open attribute table**
- Click the **pencil** icon in the top left corner of the table
- Click the **Delete Field** icon, or use the Ctrl+L shortcut on your keyboard
- Delete all fields except for **id** and **name**.
- Click the pencil icon again and save the edits
- Close the attribute table. Repeat this process for each of your layers

4 **Buffer Point and Line Data**
- If all of your data is already in polygon format, you can skip this step
- On the title bar, go to Vector > Geoprocessing tools > Buffer
- With your point or line data as the input, use a small distance such as 0.0001 degrees
- Run the tool until all of your data has been converted to polygons
- Remove the point and line data from your project

5 **Merge**
- On the title bar, go to Vector > Data management tools > Merge
- Select all layers as inputs
- Under **Merged**, click the ellipses icon to the right of the input bar, and select **Save to file**
- Find or create an empty, accessible folder to hold your new shapefiles.
- Under **Save as type**, select **SHP Files (*.shp)**
- Name your shapefile and make sure to end with the file extension ***.shp**
- Run the tool.

6 **Zip folder**
- Close QGIS and navigate to the output folder
- Right click > Compress to > ZIP File

Questions?

Contact NFWF's GIS Data Science team:

Michael.Lagua@NFWF.org
Sophia.Marencik@NFWF.org

7 **Upload Data**
- Upload your zipped folder to EZG
- Select **name** as your display field