**FRA Automation procedures:**

1. Access/Download FRA\_Automation\_Tools.tbx toolbox and relevant scripts.
   1. Located T:\FS\NFS\R05\Program\6800InformationMgmt\GIS\Workspace\jklaus\Python
2. Run Script tool: EDW Extract
   1. Parameters:
      1. Workspace: Set to folder where user wants data extracted.
   2. Requirements:
      1. Must be run on Citrix
      2. edw\_extract\_data.py
   3. Output:
      1. Folder with geodatabase containing feature classes for Land, TESP, and Wildlife
3. Run Script tool: External Download
   1. Parameters:
      1. Workspace: Set to folder where user wants data downloaded.
   2. Requirements:
      1. hydro\_download.py
   3. Output:
      1. Folder with subfolders of data downloaded and unzipped for NHD, NOAA ESU, Critical Habitat
4. Run Script tool: Hydrology Processing
   1. Parameters:
      1. Workspace: Set to folder where user wants data processed.
   2. Requirements:
      1. hydrology\_processing.py
   3. Output:
      1. Folder with geodatabase containing processed subregions of NHD data
5. Run Script tool: WO Hydro deliverables
   1. Parameters:
      1. Workspace: Set to folder where user wants data processed.
   2. Requirements:
      1. wo\_hydro.py
   3. Output:
      1. WO folder with geodatabases for each forest containing processed hydrology data.
6. Run Script tool: NOAA ESU processing
   1. Parameters:
      1. Workspace: Set to folder where user wants data processed.
   2. Requirements:
      1. noaa\_esu\_processing.py
   3. Output:
      1. NOAA\_ESU folder with geodatabase containing processed NOAA ESU data.
7. Run Script tool: Selection and Buffer
   1. Parameters:
      1. Workspace: Set to folder where user wants data processed.
      2. Table: location of input feature class
      3. Spreadsheet data: csv used for attribution
      4. Layer: TES layer type used for processing
   2. Requirements:
      1. select\_tes\_layer.py
      2. csv tables layer specific for attribution and unique buffering
   3. Output:
      1. Layer dependent: Contains a folder of layer name with a geodatabase containing feature classes of processed data.
8. Run Script tool: Land Intersection
   1. Parameters:
      1. Workspace: Set to folder where user wants data processed.
      2. Feature Class: location of input feature class
      3. Layer Type: TES layer type used for processing
   2. Requirements:
      1. pairwise\_intersect.py
   3. Output:
      1. Layer dependent: Adds feature classes to geodatabase for intersected and dissolved data. Exports data to interim and final staging geodatabases.
9. Run Script tool: Final Merge
   1. Parameters:
      1. Workspace: Set to folder where user wants data processed.
   2. Requirements:
      1. final\_merge.py
   3. Output:
      1. Merges data into final staging geodatabase and exports to a merged staging geodatabase.
10. Run Script tool: WO deliverables
    1. Parameters:
       1. Workspace: Set to folder where user wants data processed.
    2. Requirements:
       1. wo\_deliverable.py
    3. Output:
       1. WO folder with geodatabases for each forest containing processed TES data.