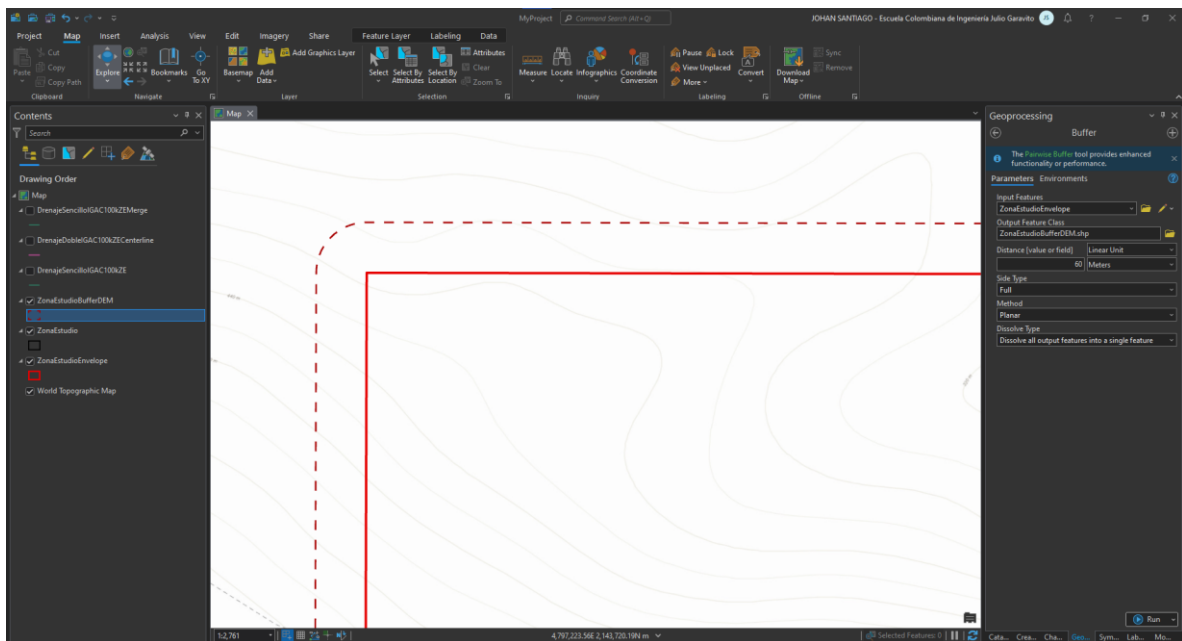
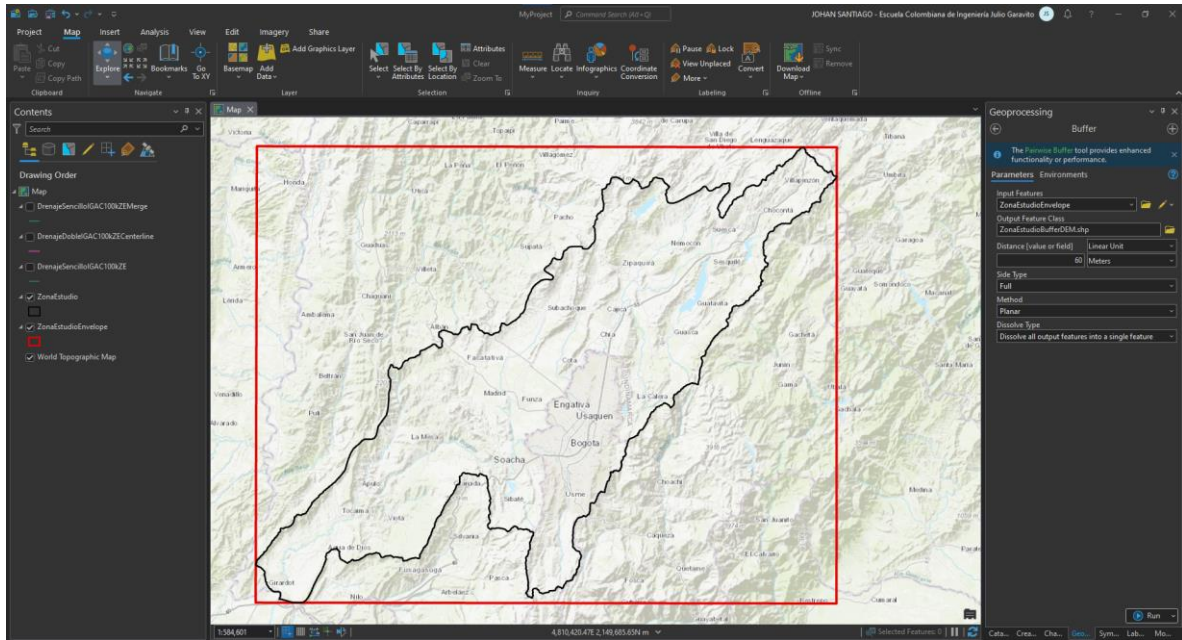
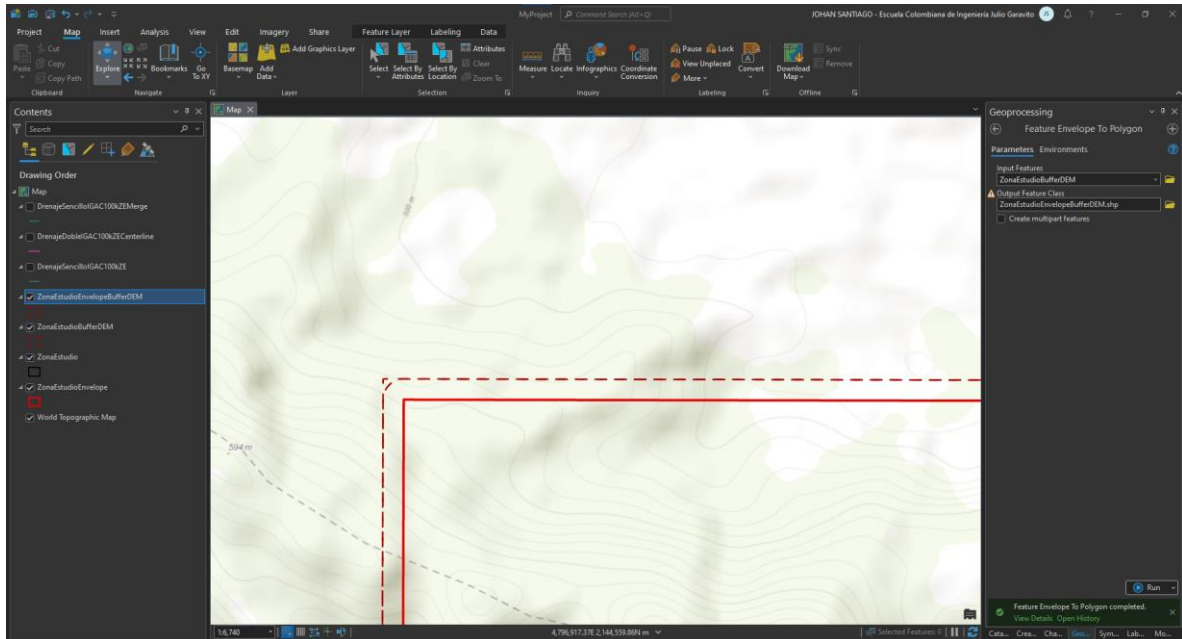


SECTION 02-AGREEDDEM, CURSO LTWB

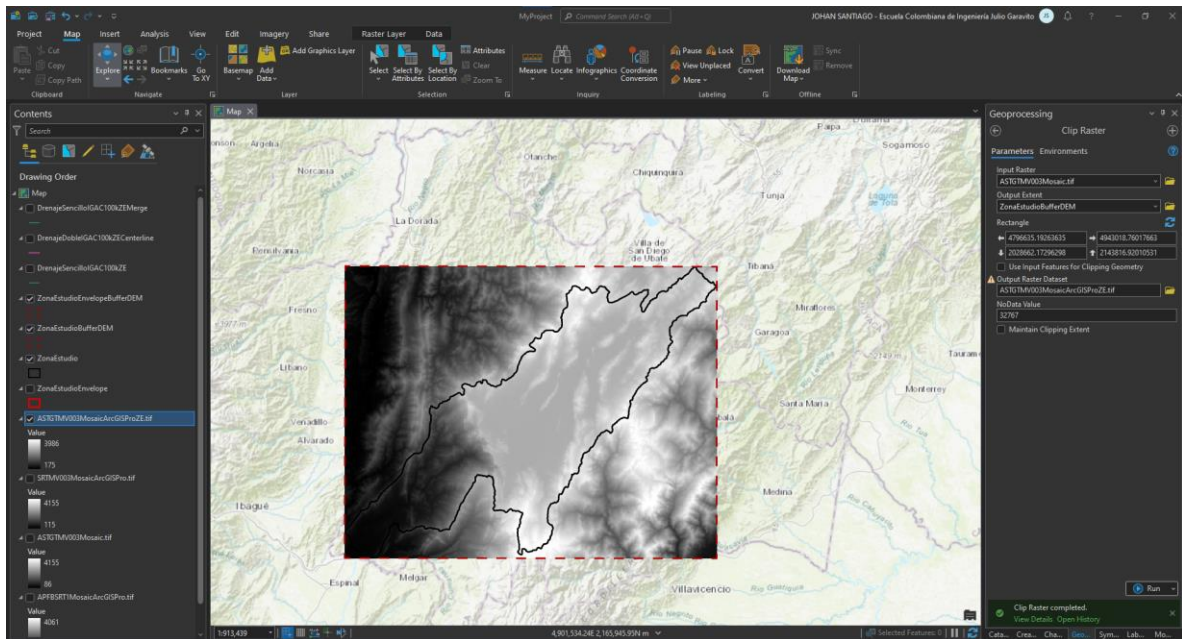
Creación del Buffer

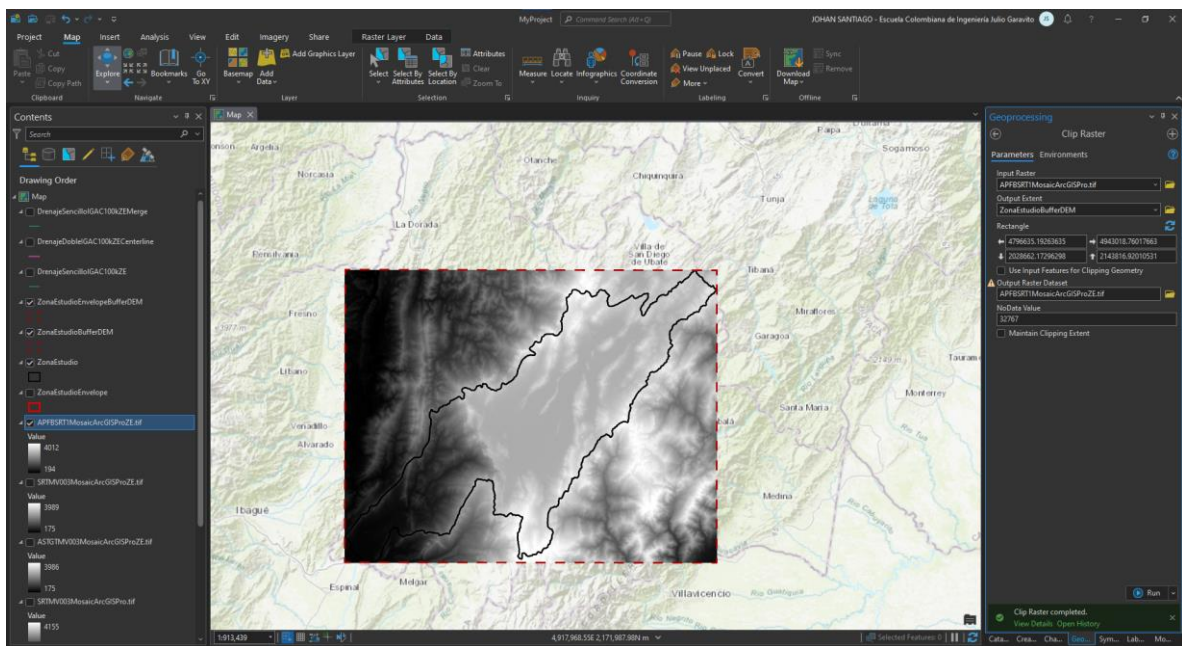
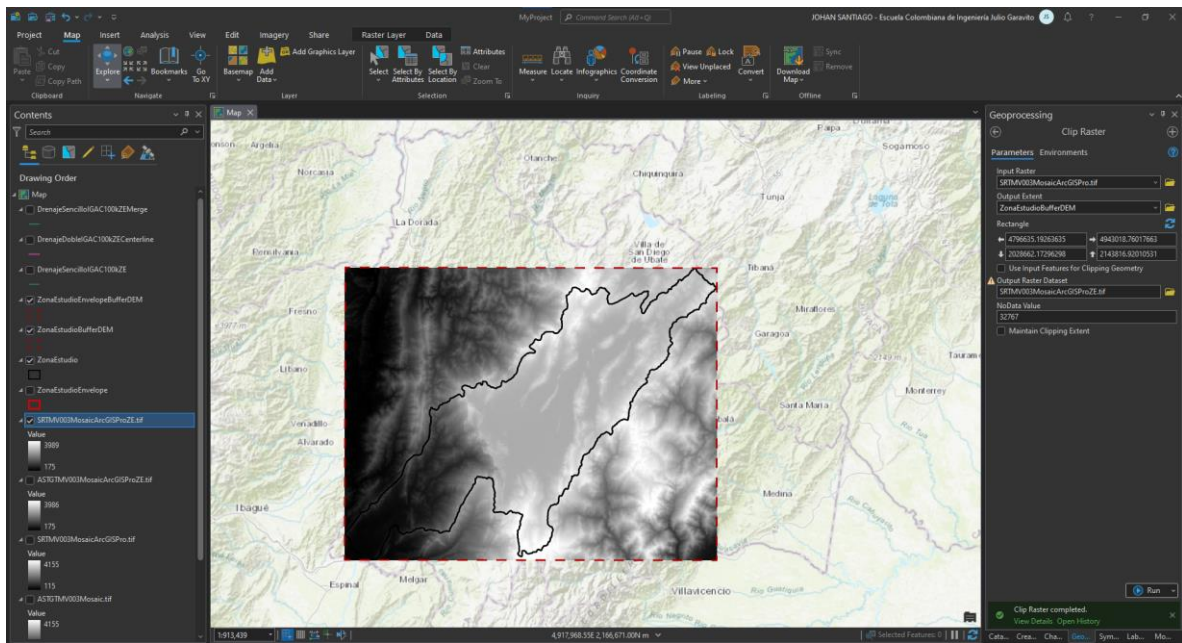


Herramienta Feature Envelope To Polygon

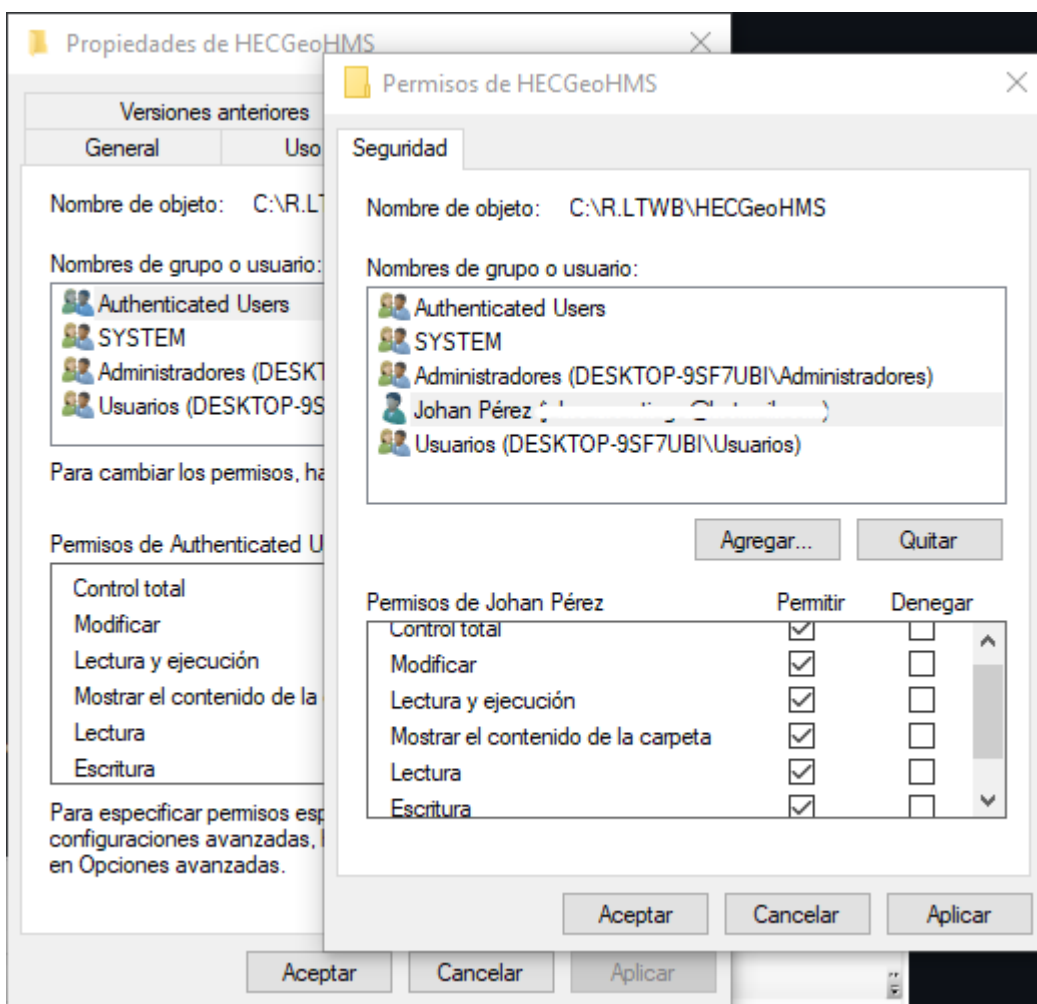


Recorte de las grillas por medio de la herramienta Clip Raster

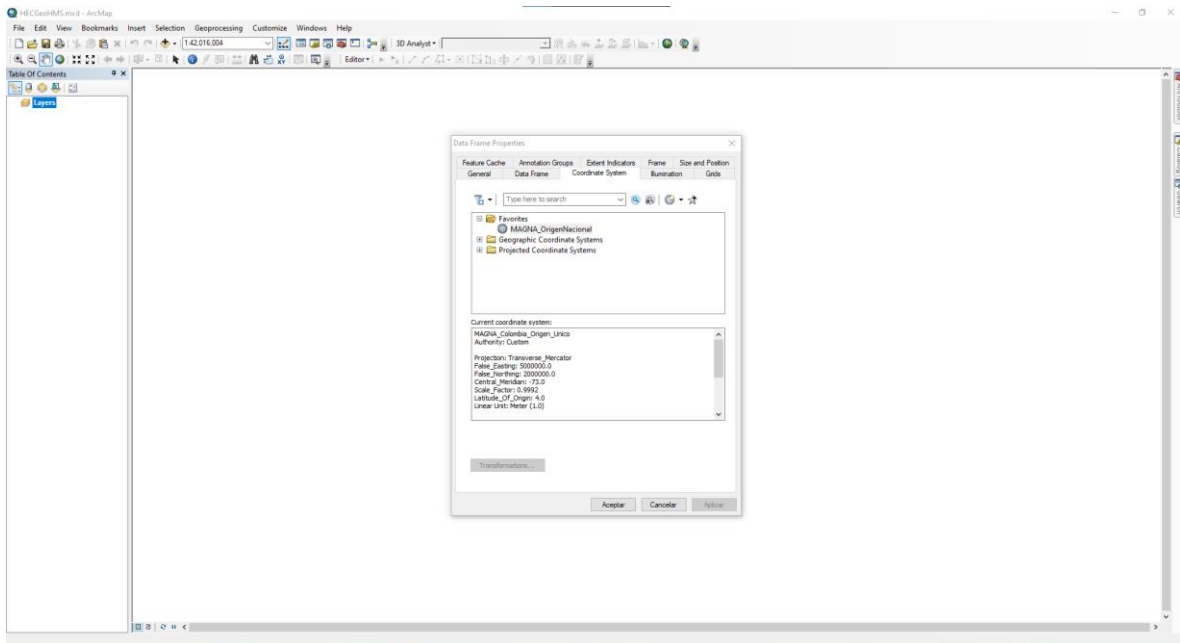




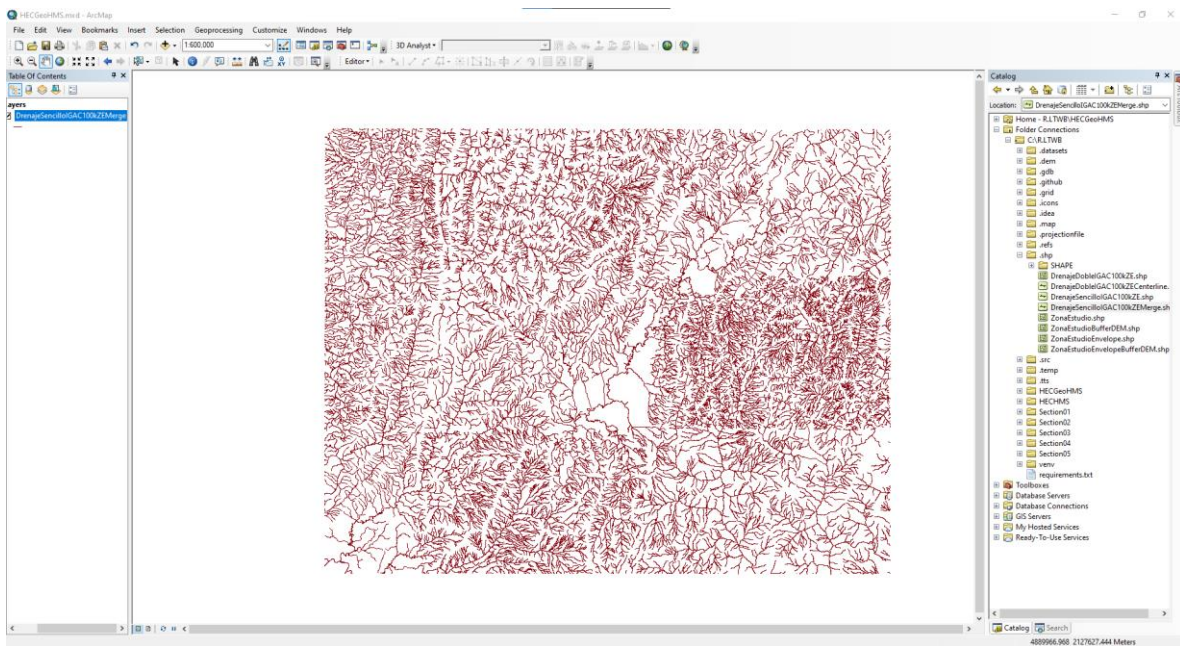
Otorgar permisos de usuario



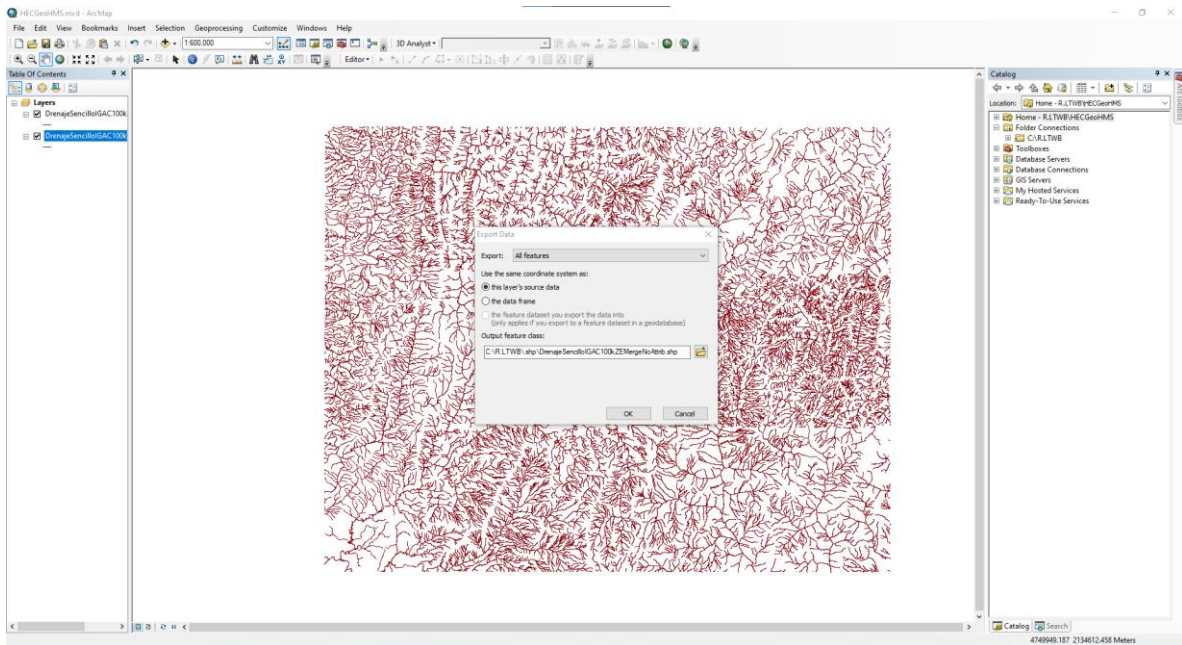
Asignación del sistema de coordenadas



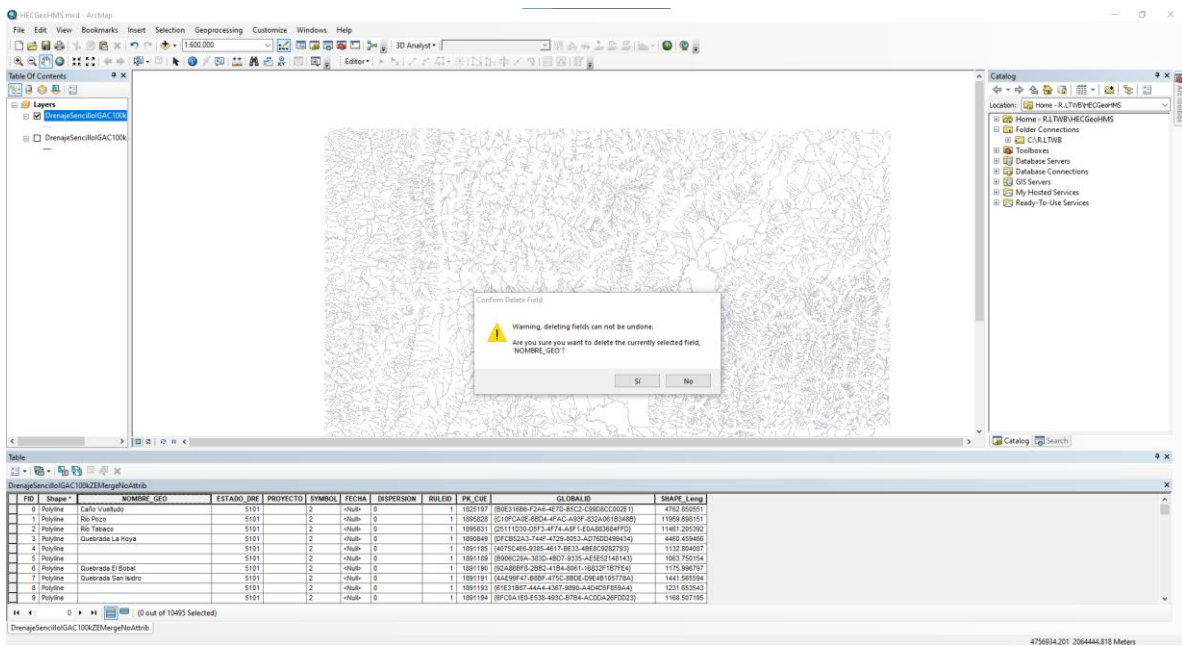
Cargue de la capa de drenajes



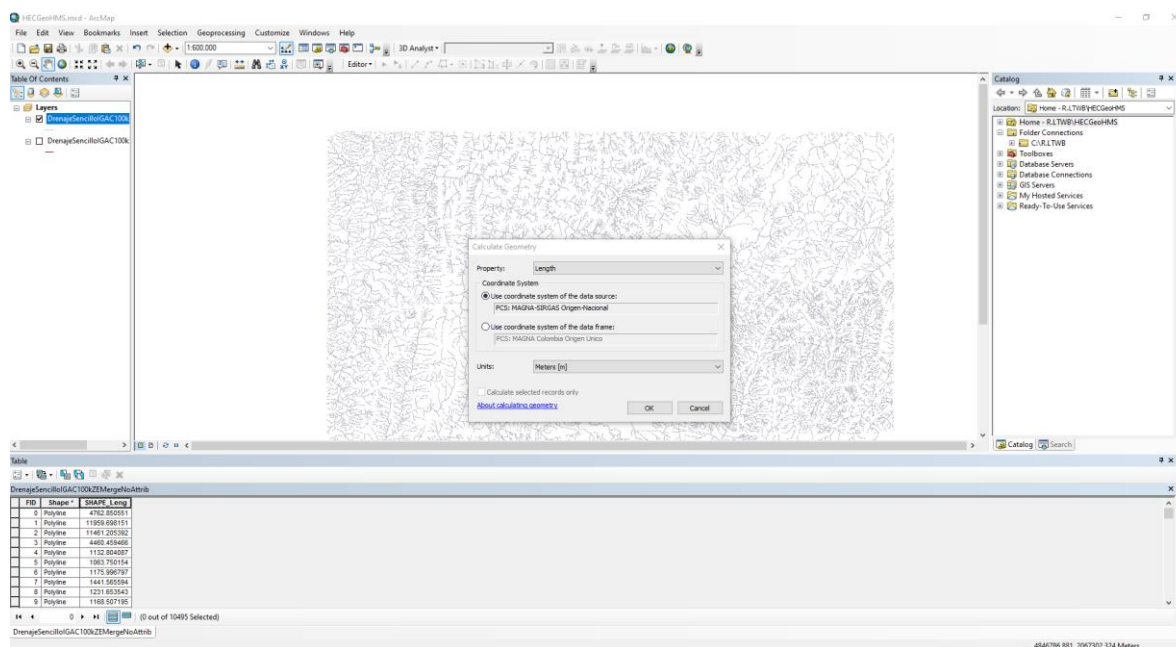
Exportar data



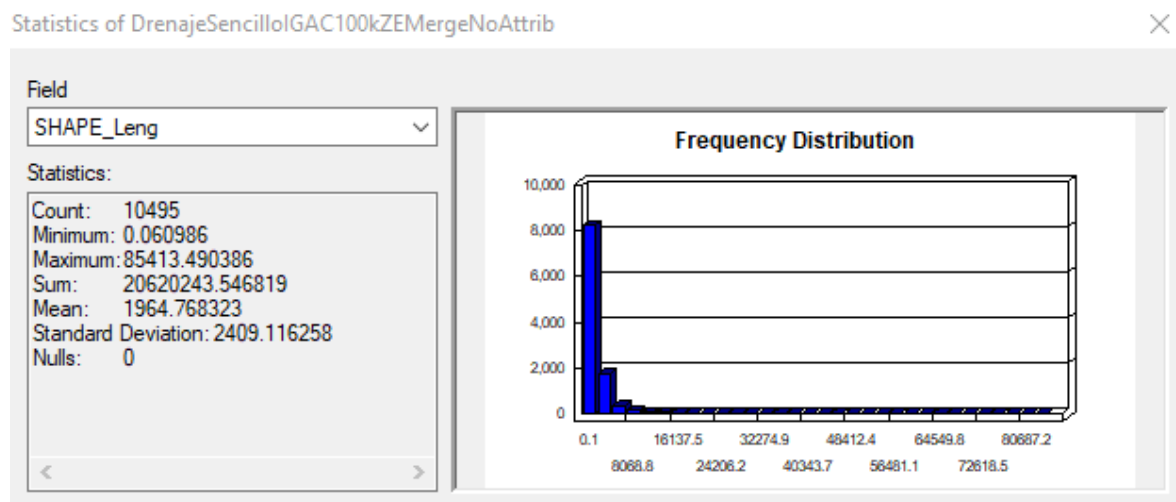
Eliminar columnas en la tabla de atributos



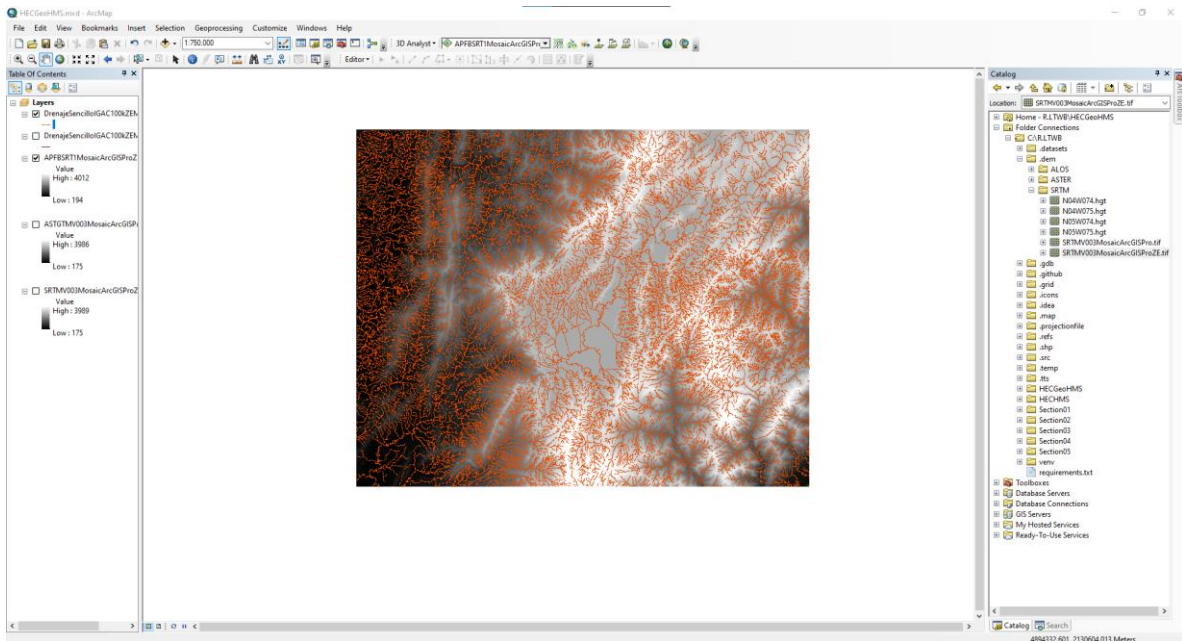
Herramienta Calculate Geometry para calcular la longitud de los tramos



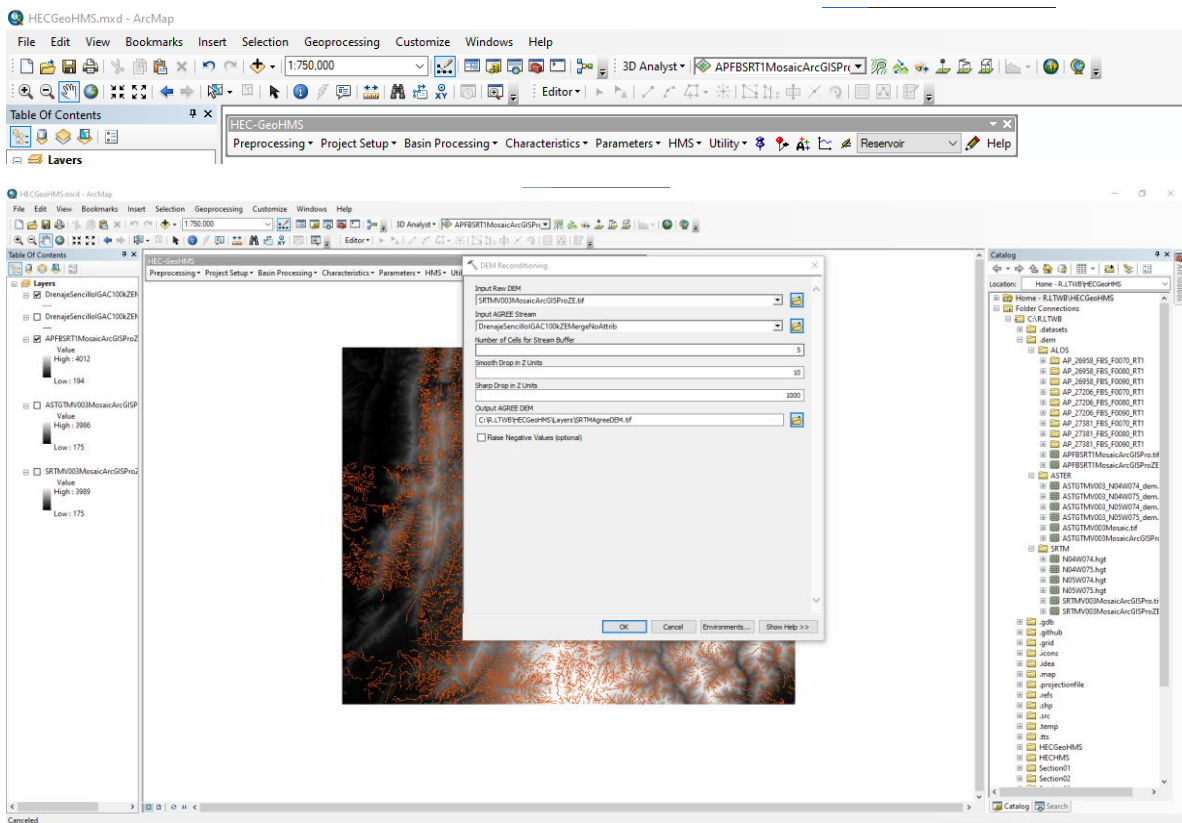
Obtención de las estadísticas



Cargue de las grillas ALOS, ASTER y SRTM



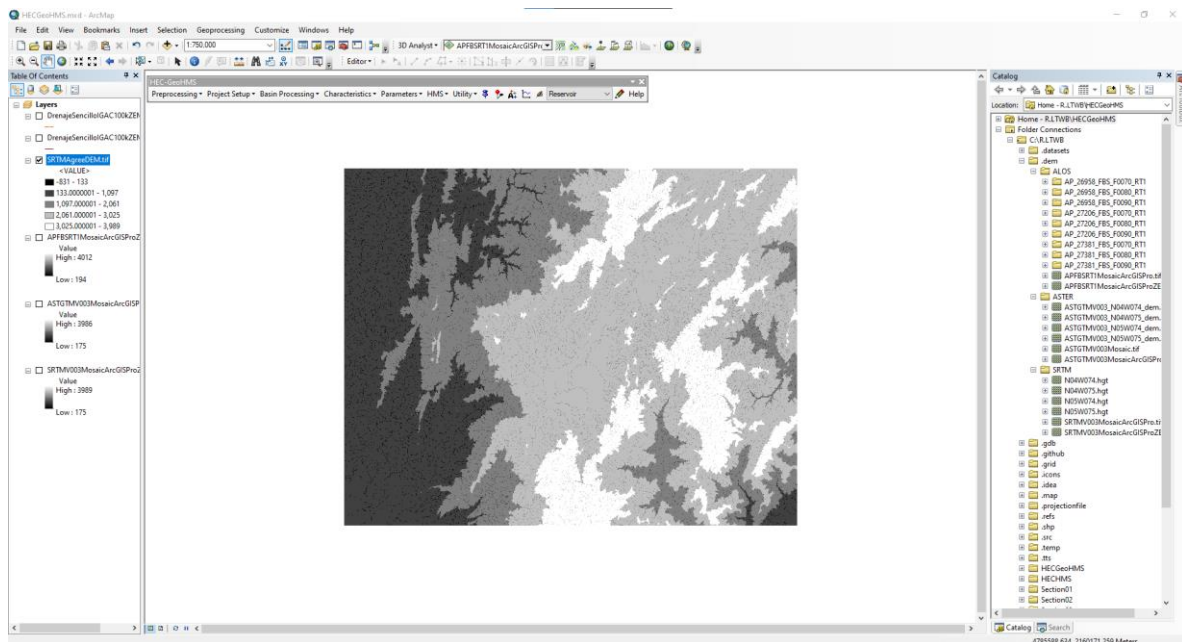
Herramienta DEM Reconditioning

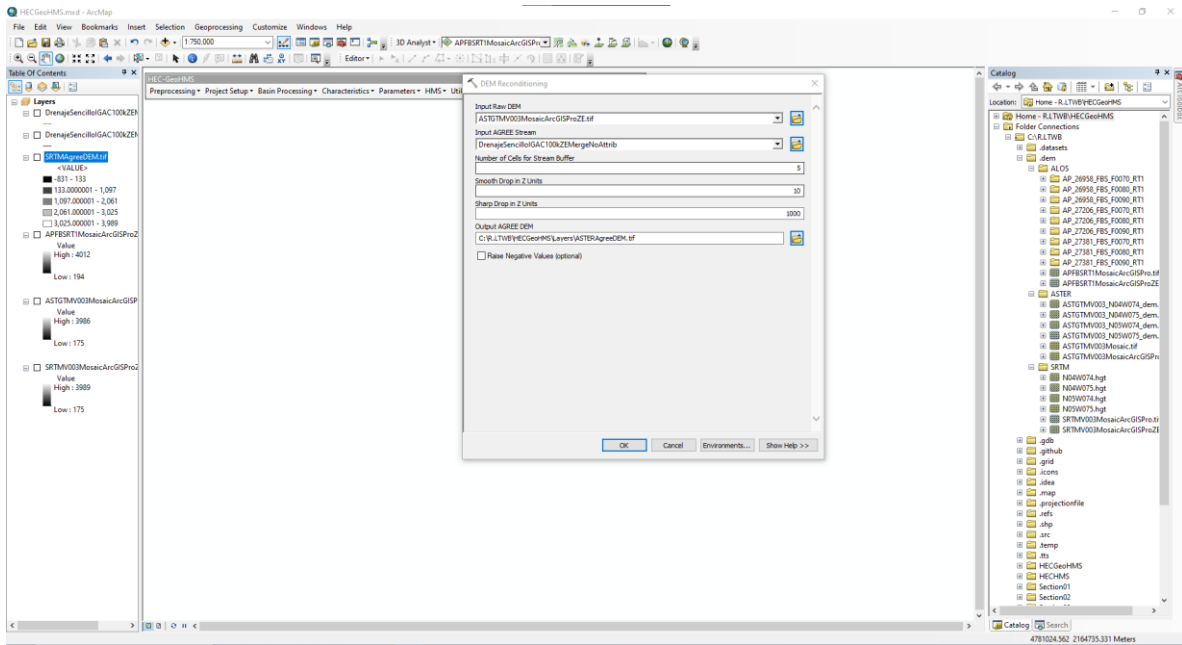



```

Start Time: Tue Feb 21 19:26:17 2023
C:\Users\jahoa\AppData\Local\Temp\arcE4AB\AH20230221192538\smoothModInt is
loading...
C:\Users\jahoa\AppData\Local\Temp\arcE4AB\AH20230221192538\sharpModGeo is
loading...
Succeeded at Tue Feb 21 19:26:20 2023 (Elapsed Time: 3.46 seconds)
Executing: CopyRaster C:\Users\jahoa\AppData\Local\Temp\arcE4AB
\AH20230221192538\bufferlevgeo C:\R.LTWB\HECGeoHMS\Layers\SRMAGreeDEM.tif
# # 32767 NONE NONE # NONE NONE
Start Time: Tue Feb 21 19:26:21 2023
Succeeded at Tue Feb 21 19:26:24 2023 (Elapsed Time: 3.31 seconds)
Executing: ApplySymbologyFromLayer SRMAGreeDEM.tif "C:\Program Files (x86)
\ESRI\WaterUtils\ArcHydro\bin\lyrfiles\AgreeDEM.lyr"
Start Time: Tue Feb 21 19:26:24 2023
Succeeded at Tue Feb 21 19:26:25 2023 (Elapsed Time: 0.89 seconds)
Succeeded at Tue Feb 21 19:26:25 2023 (Elapsed Time: 47.23 seconds)

```





DEM Reconditioning

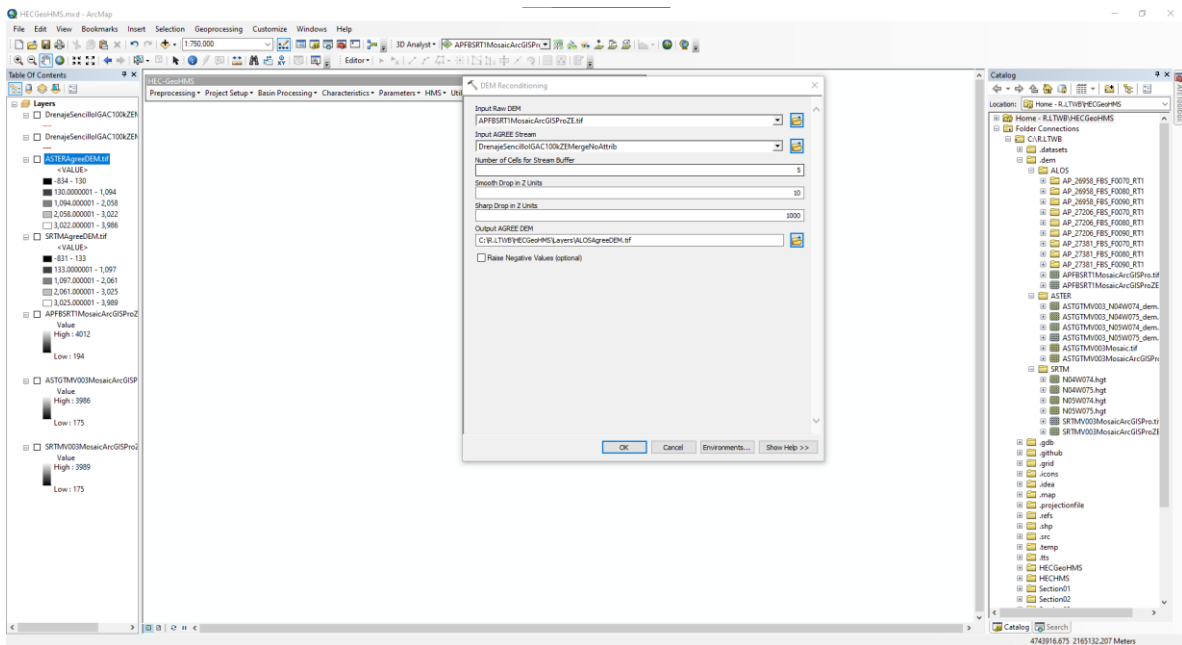
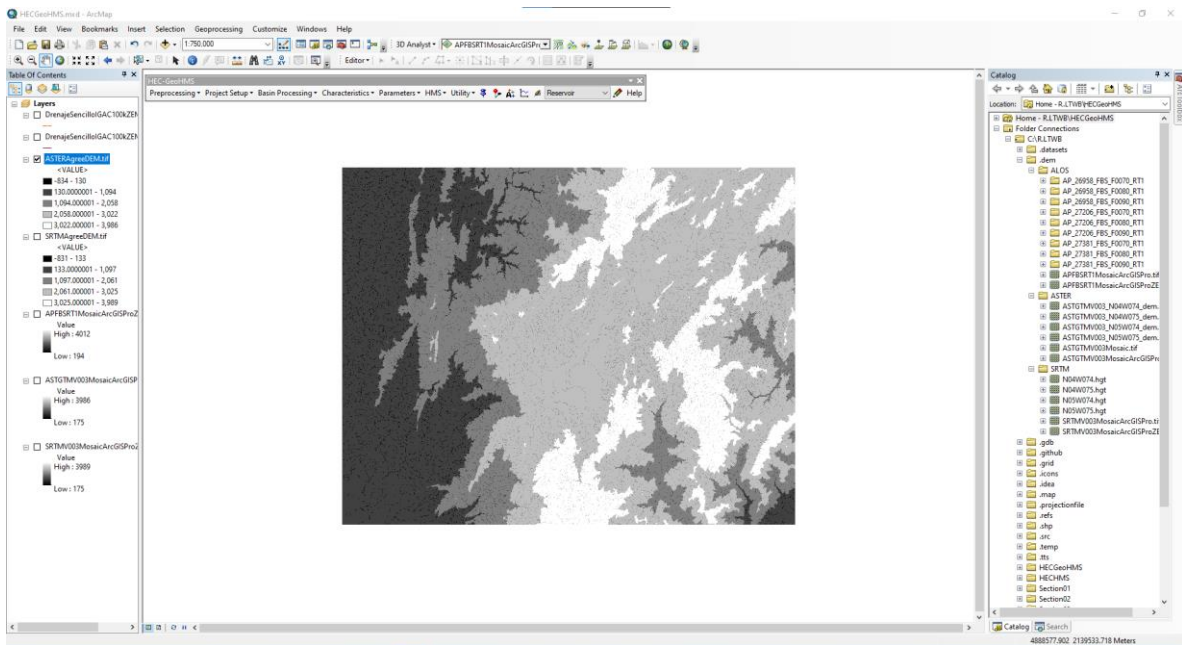
Completed

Close

<< Details

☐ Close this dialog when completed successfully

```
C:\Users\jahoa\AppData\Local\Temp\arcE4AB\AH20230221192846\smoothModGeo is
loading...
C:\Users\jahoa\AppData\Local\Temp\arcE4AB\AH20230221192846\sharpModGeo is
loading...
Succeeded at Tue Feb 21 19:29:28 2023 (Elapsed Time: 4.29 seconds)
Executing: CopyRaster C:\Users\jahoa\AppData\Local\Temp\arcE4AB
\AH20230221192846\bufferlevgeo C:\R.LTWB\HECGeoHMS\Layers
\ASTERAgreeDEM.tif # # -3.402823e+038 NONE NONE # NONE NONE
Start Time: Tue Feb 21 19:29:28 2023
Succeeded at Tue Feb 21 19:29:34 2023 (Elapsed Time: 5.64 seconds)
Executing: ApplySymbologyFromLayer ASTERAgreeDEM.tif "C:\Program Files
(x86)\ESRI\WaterUtils\ArcHydro\bin\lyrfiles\AgreeDEM.lyr"
Start Time: Tue Feb 21 19:29:34 2023
Succeeded at Tue Feb 21 19:29:34 2023 (Elapsed Time: 0.08 seconds)
Succeeded at Tue Feb 21 19:29:35 2023 (Elapsed Time: 49.00 seconds)
```



DEM Reconditioning

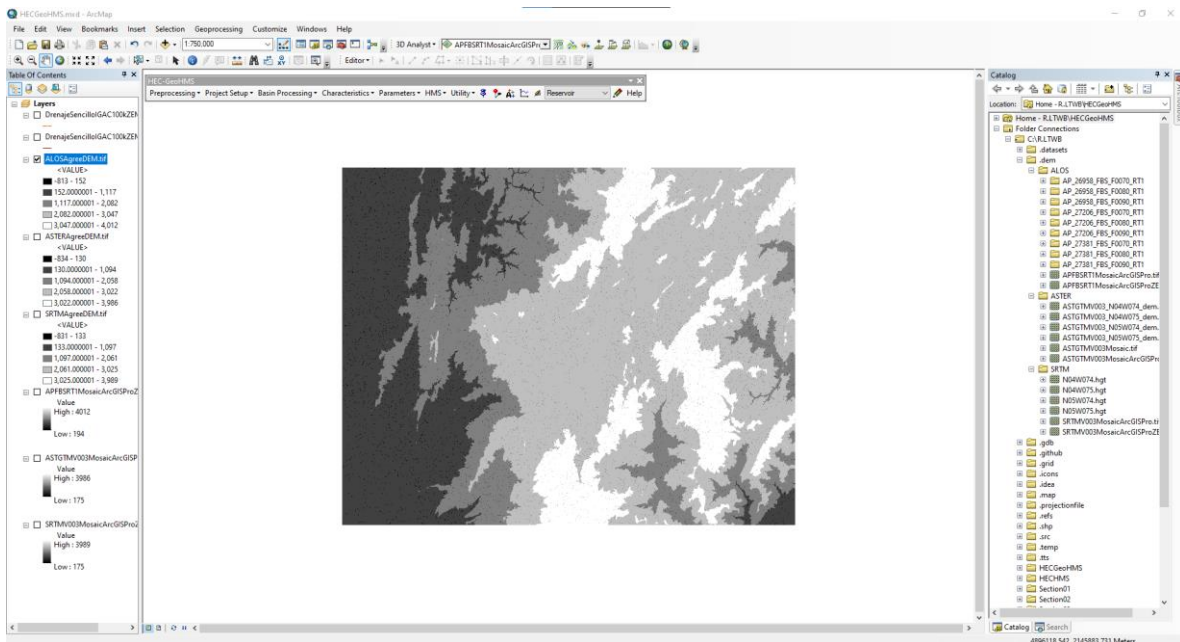
Completed

Close

<< Details

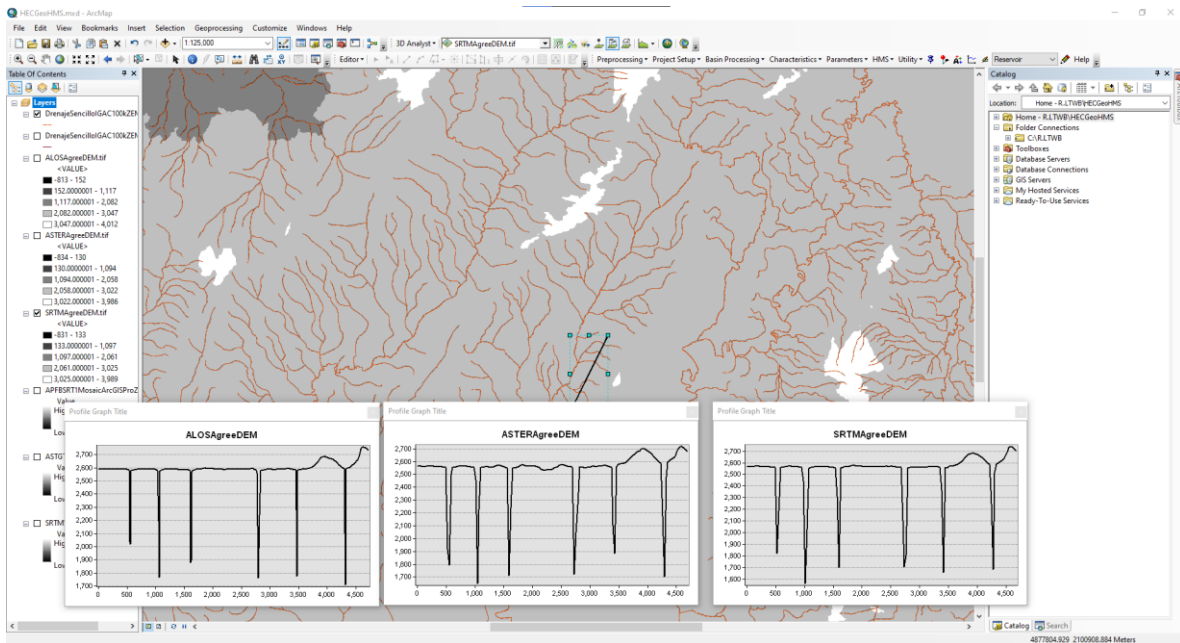
☐ Close this dialog when completed successfully

```
C:\Users\jahoa\AppData\Local\Temp\arcE4AB\AH20230221193107\smoothModInt is
loading...
C:\Users\jahoa\AppData\Local\Temp\arcE4AB\AH20230221193107\sharpModGeo is
loading...
Succeeded at Tue Feb 21 19:34:20 2023 (Elapsed Time: 12.22 seconds)
Executing: CopyRaster C:\Users\jahoa\AppData\Local\Temp\arcE4AB
\AH20230221193107\bufferelevgeo C:\R.LTWB\HECGeoHMS\Layers\ALOSAgreeDEM.tif
# # 32767 NONE NONE # NONE NONE
Start Time: Tue Feb 21 19:34:20 2023
Succeeded at Tue Feb 21 19:34:34 2023 (Elapsed Time: 14.19 seconds)
Executing: ApplySymbologyFromLayer ALOSAgreeDEM.tif "C:\Program Files (x86)
\ESRI\WaterUtils\ArcHydro\bin\lyrfiles\AgreeDEM.lyr"
Start Time: Tue Feb 21 19:34:35 2023
Succeeded at Tue Feb 21 19:34:35 2023 (Elapsed Time: 0.10 seconds)
Succeeded at Tue Feb 21 19:34:35 2023 (Elapsed Time: 3 minutes 28 seconds)
```



MDE reacondicionado	Cota mínima, m	Cota máxima, m
ASTERAgreeDEM.tif	-834	3986
SRTMAGreeDEM.tif	-831	3989
ALOSAgreeDEM.tif	-813	4012

Perfiles de visualización



Investigue y documente otras herramientas, librerías, complementos o plug-in desde los que se pueda realizar el reacondicionamiento de modelo de terreno.

Además del uso de HEC-HMS o la extensión para ArcGIS de HEC-GeoHMS, existe una extensión para el balance hidrológico:

1. Package AddIn
2. Package ArcGIS
3. Package Flow
4. Package Form
5. MapAlgebra Form
6. Package Operator
7. Package Polygon
8. Package Tracer
9. Package Util
10. Package Validate

Así mismo, la herramienta ArcMap cuenta con una serie de herramientas para diferentes mapas derivados del Modelo Digital del Terreno.

- Mapa de sombreado: Hillshade
- Mapa de curvatura: Curvature
- Mapa de orientaciones: Aspect
- Mapa de pendientes: Slope

- Curvas de nivel: Contour.
- Mapa de dirección de flujo: Flow direction
- Mapa de acumulación de flujo: Flow accumulation
- Cuenca visual: Viewshed