# LiDAR flow accumulation maps

Flow accumulation is where water accumulates from precipitation with sinks being filled and is highly correlated to soil darkness. The product is typically processed to be a shapefile but can also be a raster if requested; it can be developed to the field extent or can include a surrounding area (whatever is requested). Strahler and/or Shreve stream ordering can be included as an attribute in a shapefile as data that can quantify section where more water accumulates. The data can be developed with a finer or coarser stream network as shown in the examples that follow. Different ranges (thicknesses) of graduated symbolization are shown in the examples to help you make a decision in regarding what type of symbology you would prefer in case a document (such as a PDF) or paper map is requested.
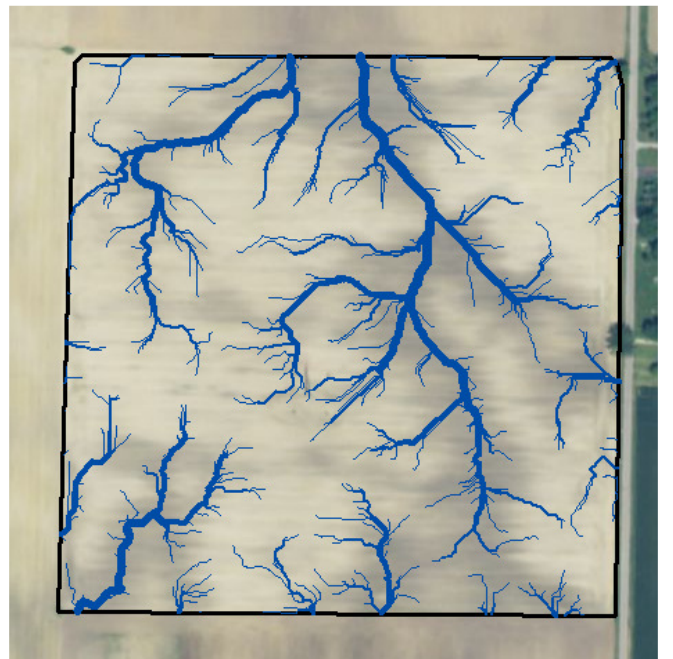
Strahler stream network classification for two levels of coarseness;
graduated symbology based on Strahler values (same field as in sink map section)
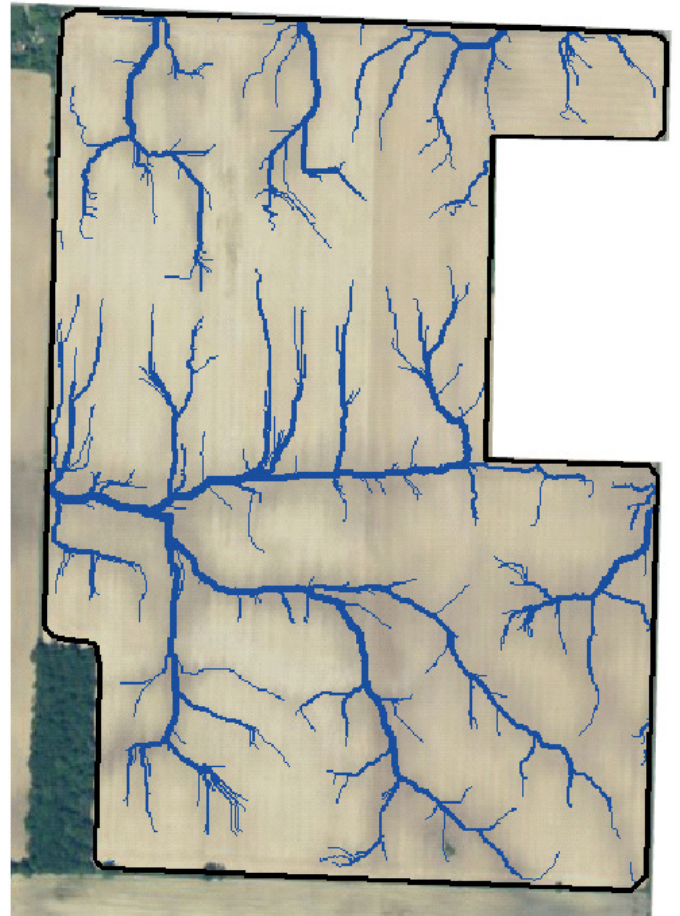
Strahler stream network classification for two levels of coarseness (closer in coarseness than in previous example); graduated symbology is based on Strahler values (same field shown here as in sink map section).

Strahler stream network classification for two levels of coarseness; graduated symbology based on Strahler values (same field shown here as in yield monitor data cleaning and sink map section).

Strahler stream network classification for two levels of coarseness with greater range of graduated symbology; based on Strahler values (same field as in sink map section)