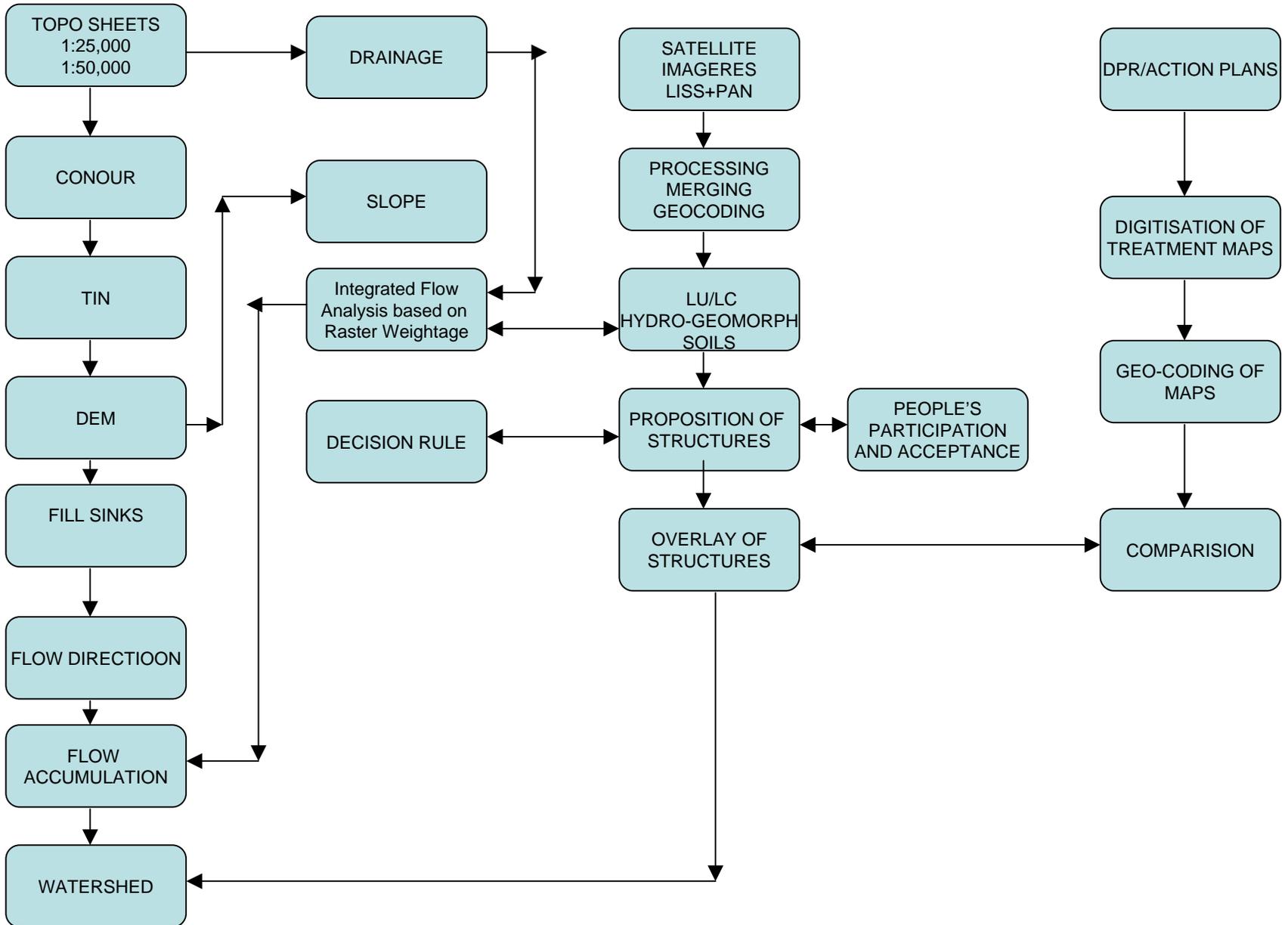
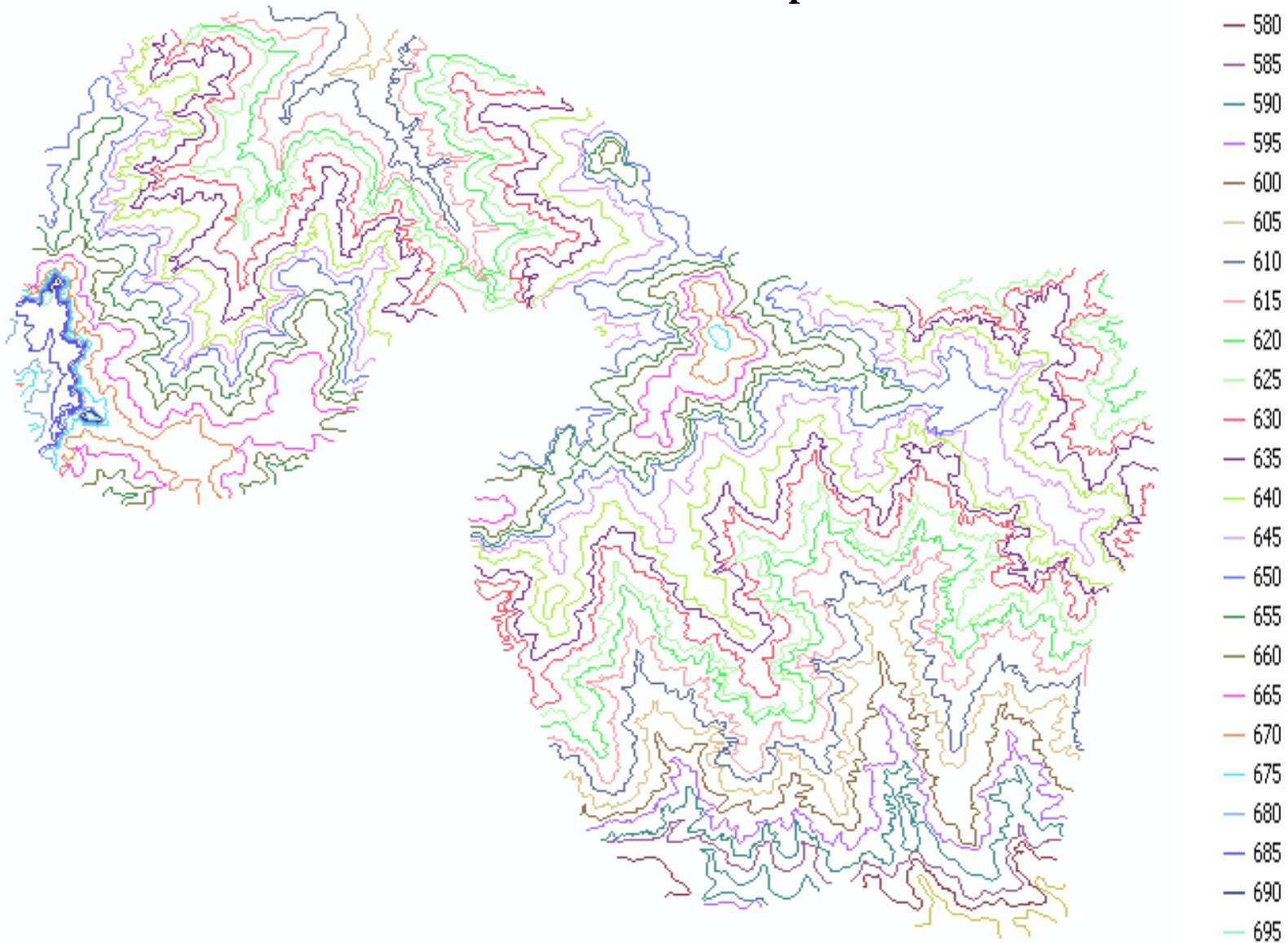


# PROCESS METHODOLOGY



# Contour Map

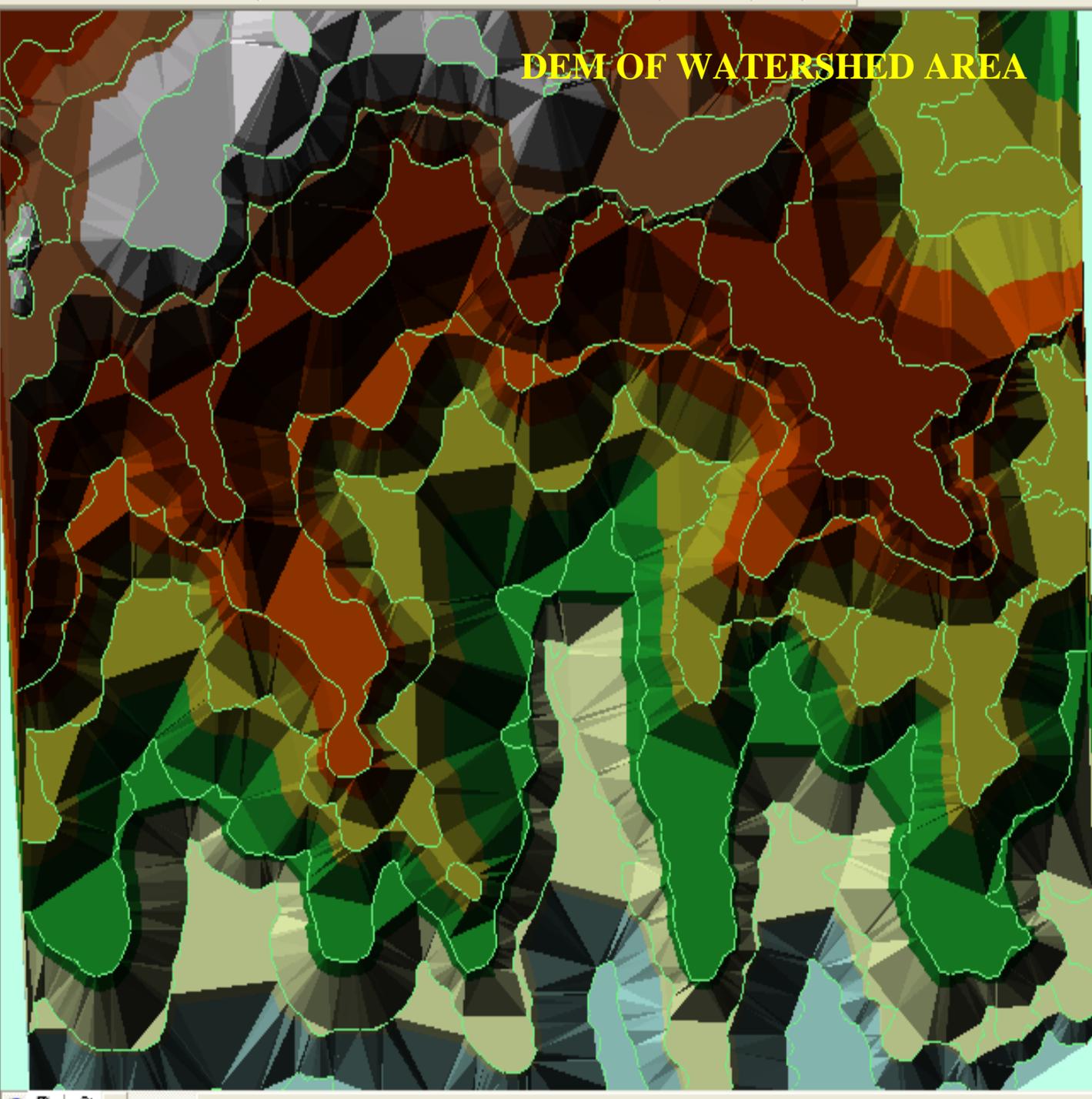


# DEM OF WATERSHED AREA

**Layers**

- tin2
  - Edge type
    - Soft Edge
    - Hard Edge
  - Elevation
    - 661.111 - 670
    - 652.222 - 661.111
    - 643.333 - 652.222
    - 634.444 - 643.333
    - 625.556 - 634.444
    - 616.667 - 625.556
    - 607.778 - 616.667
    - 598.889 - 607.778
    - 590 - 598.889
- tslope tic
  - ◆
- tslope point
  - ◆
- tslope arc
  -

A vertical toolbar containing standard GIS navigation icons: a magnifying glass with a plus sign for zoom in, a magnifying glass with a minus sign for zoom out, a hand icon for pan, a globe icon for home, a blue arrow pointing left for previous view, a grey arrow pointing right for next view, a map icon, a north arrow, an information icon, a 3D view icon, a help icon, and a lightning bolt icon.

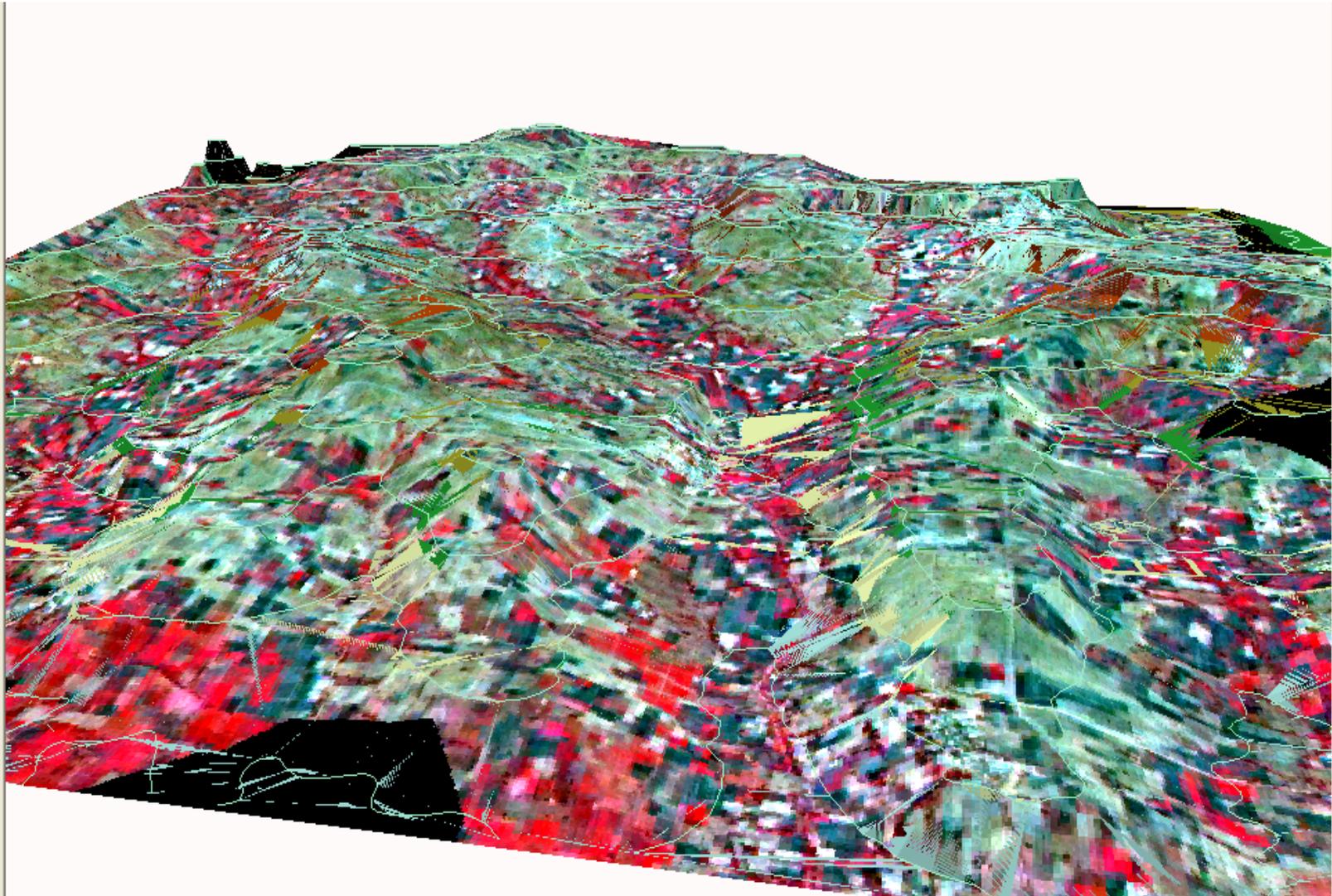


# SATELLITE IMAGE DRAPED OVER DEM

**Scene layers**

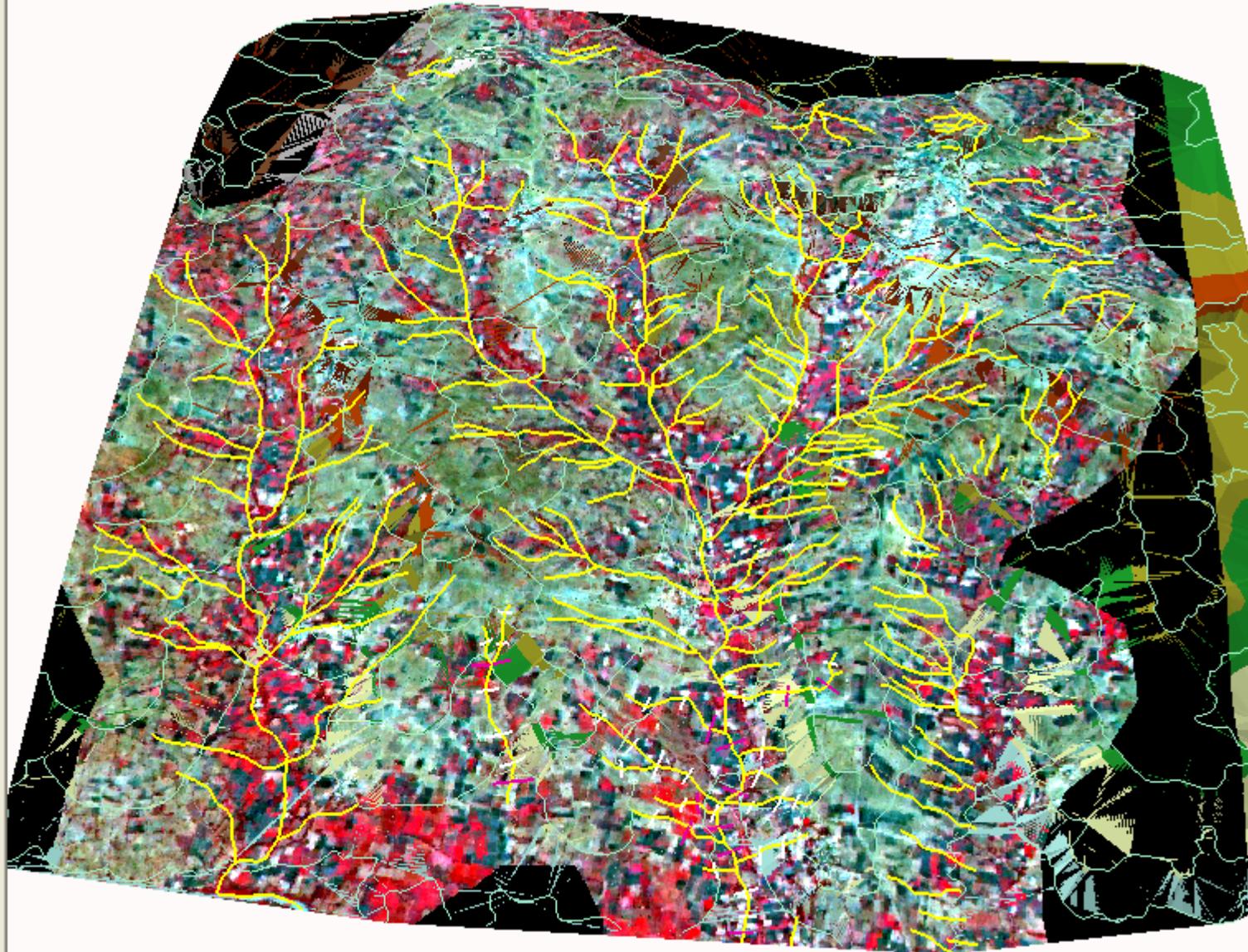
- chtin
  - Edge type
    - Soft Edge
    - Hard Edge
  - Elevation
    - 661.111 - 670
    - 652.222 - 661.111
    - 643.333 - 652.222
    - 634.444 - 643.333
    - 625.556 - 634.444
    - 616.667 - 625.556
    - 607.778 - 616.667
    - 598.889 - 607.778
    - 590 - 598.889
- chevella.img
  - RGB Composite
    - Red: Layer\_3
    - Green: Layer\_2
    - Blue: Layer\_1

Display Source



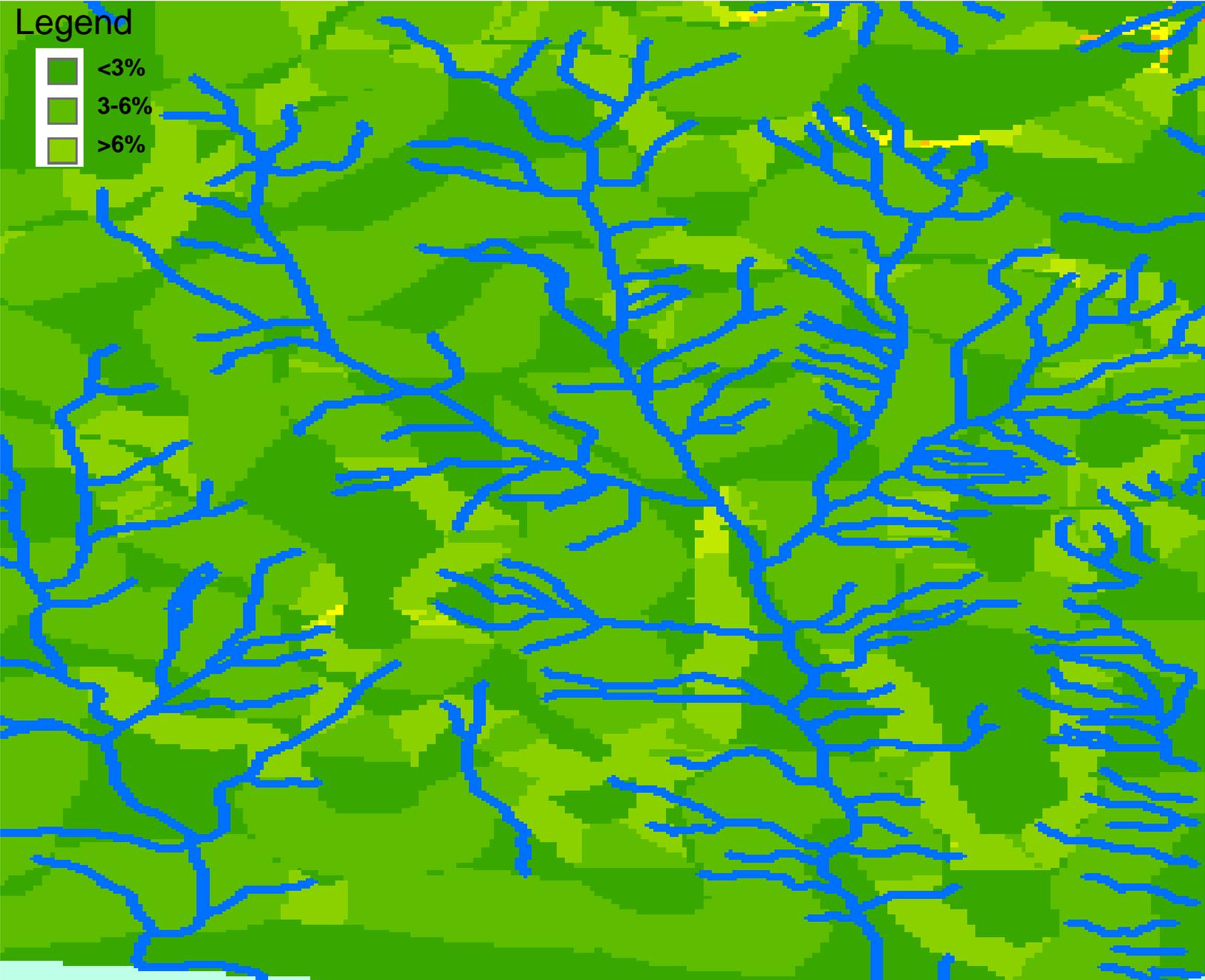
# SATELLITE IMAGE DRAPED OVER DEM

- Scene layers**
- vegbar arc
  - stonestr arc
  - drainage arc
    - <all other values>
    - DRAINAGE-ID
    - 3
  - chtin
    - Edge type
    - Soft Edge
    - Hard Edge
    - Elevation
    - 661.111 - 670
    - 652.222 - 661.111
    - 643.333 - 652.222
    - 634.444 - 643.333
    - 625.556 - 634.444
    - 616.667 - 625.556
    - 607.778 - 616.667
    - 598.889 - 607.778
    - 590 - 598.889
  - chevella.img
    - RGB Composite
    - Red: Layer\_3
    - Green: Layer\_2
    - Blue: Layer\_1

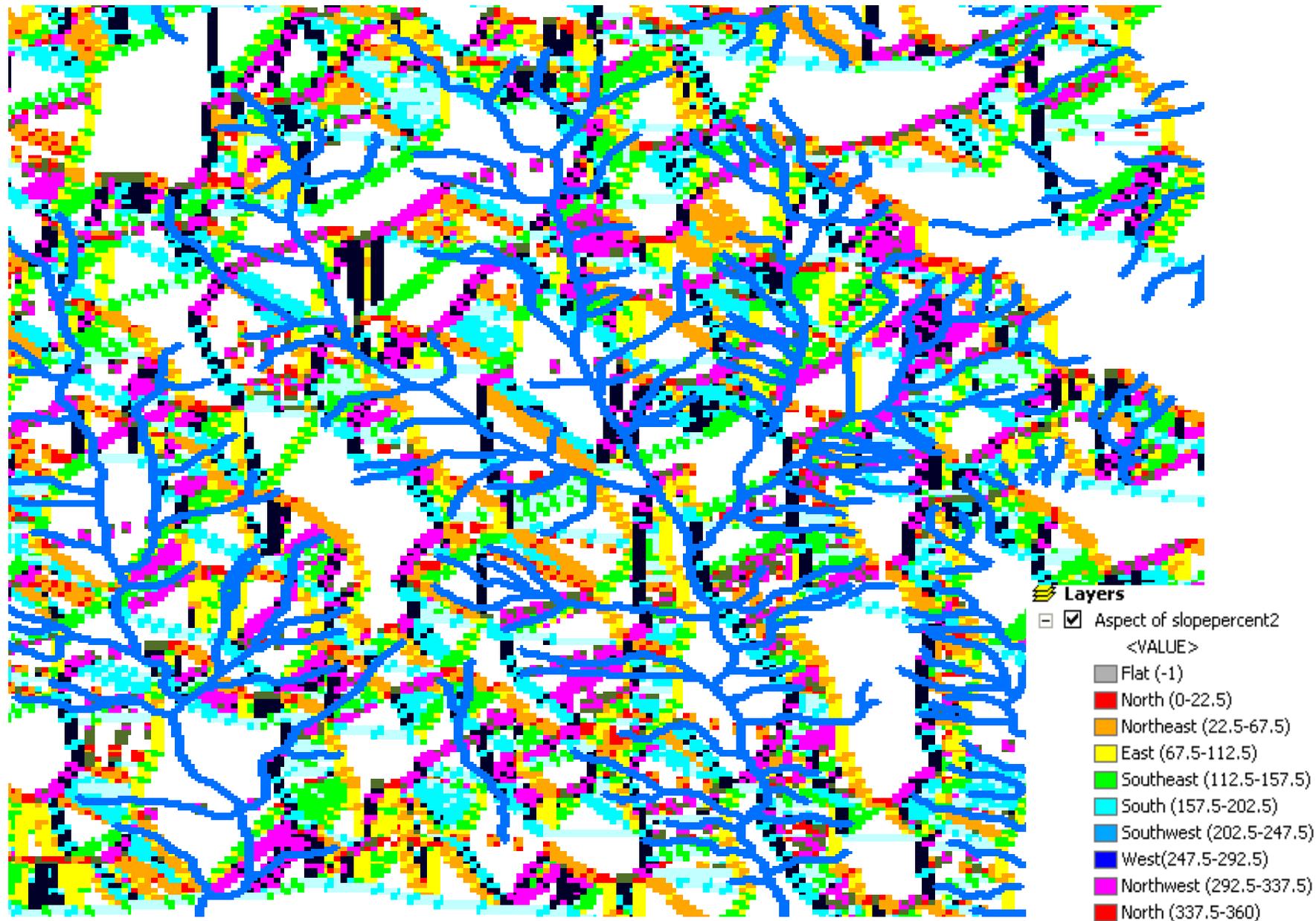


# DRAINAGE OVERLAYED ON SLOPE

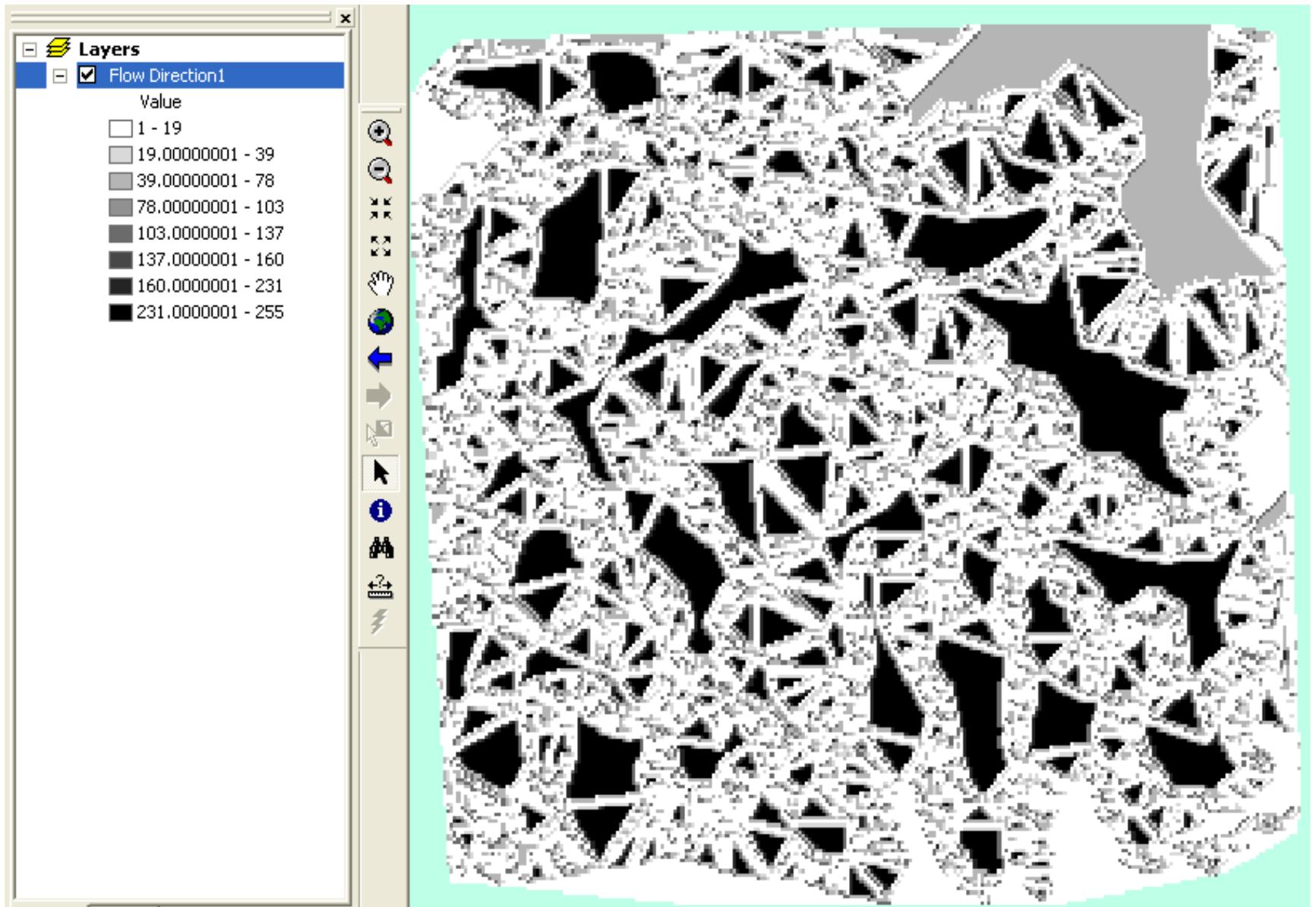
Legend



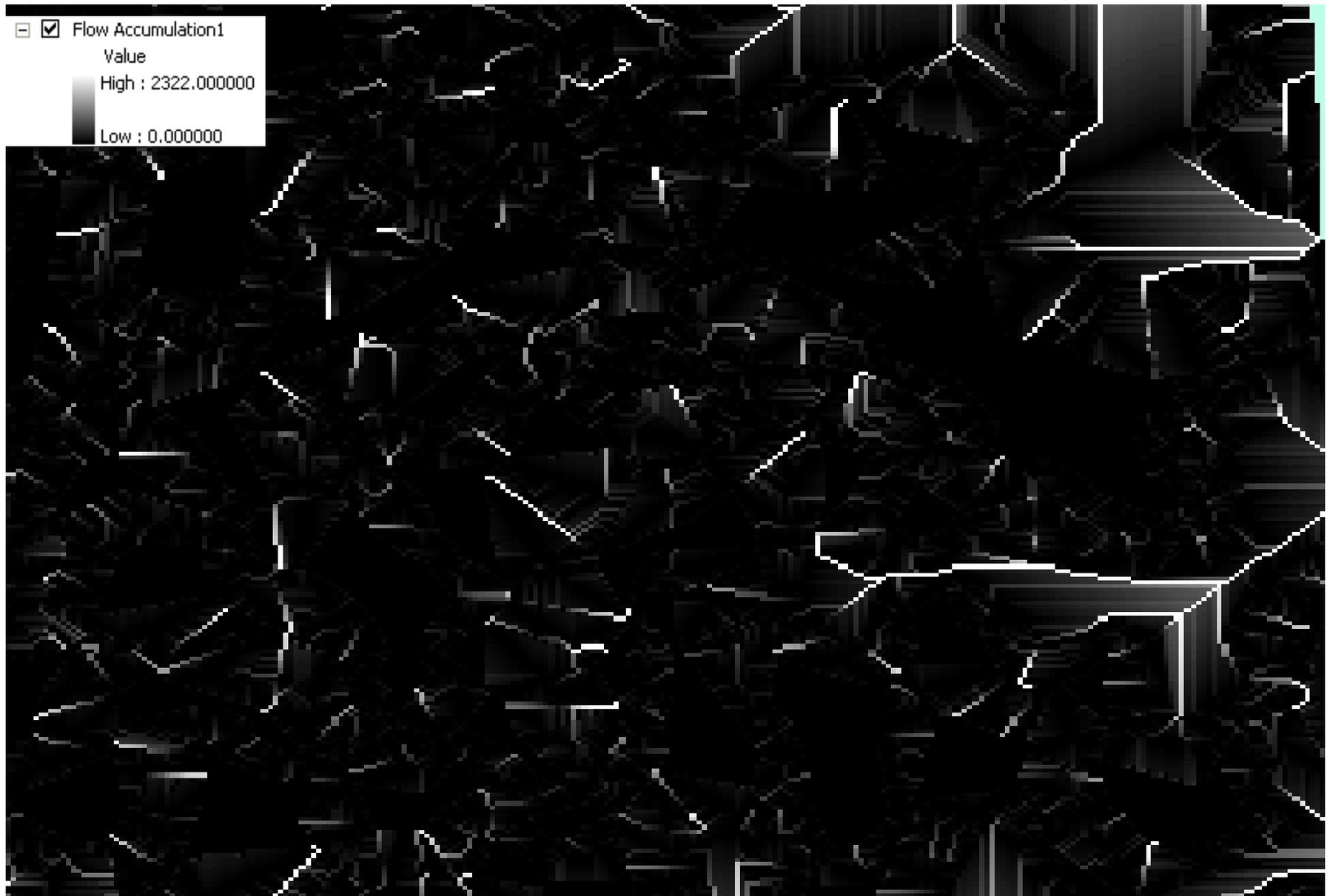
# DRAINAGE OVERLAYED ON SLOPE ASPECT



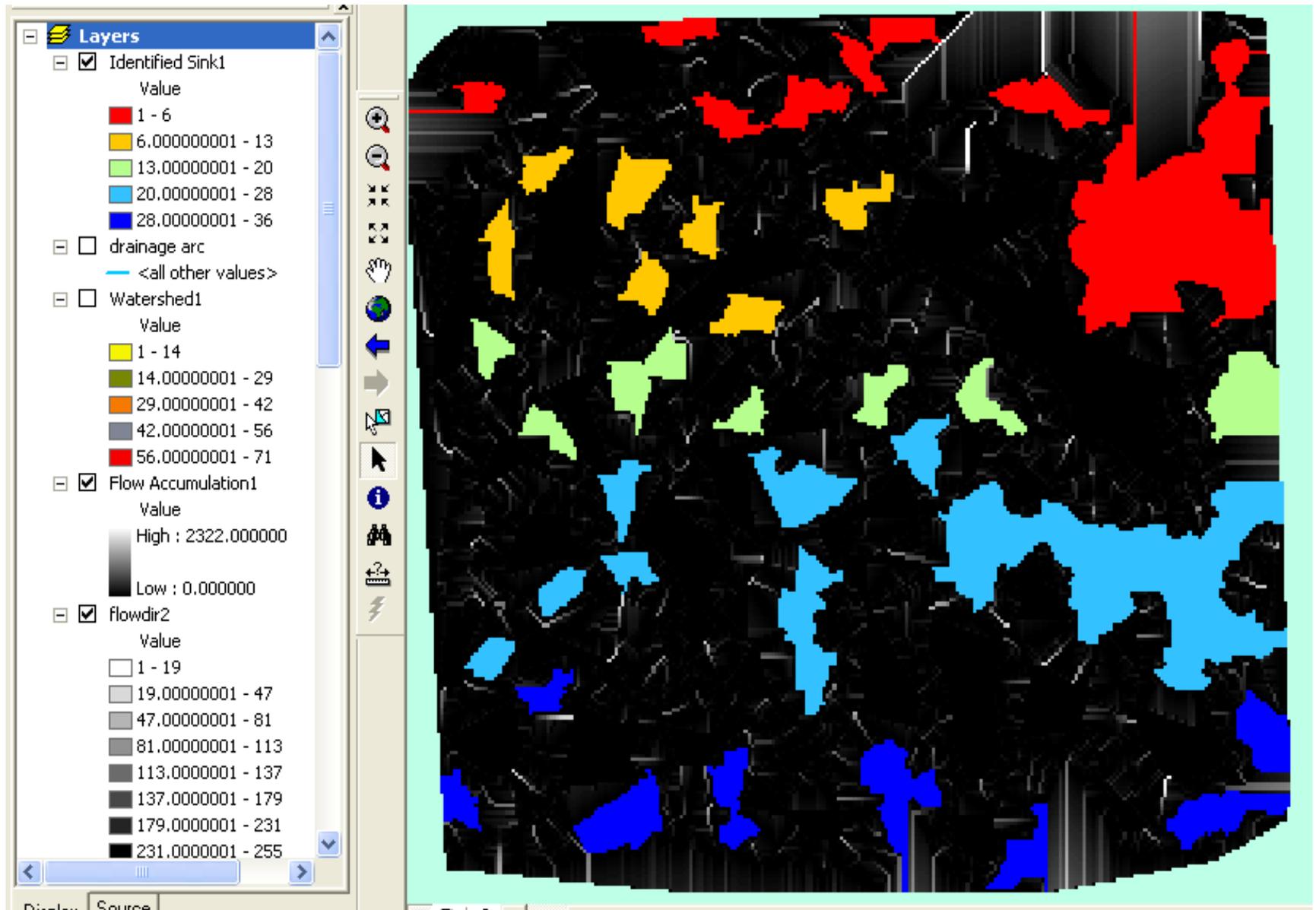
# FLOW DIRECTION



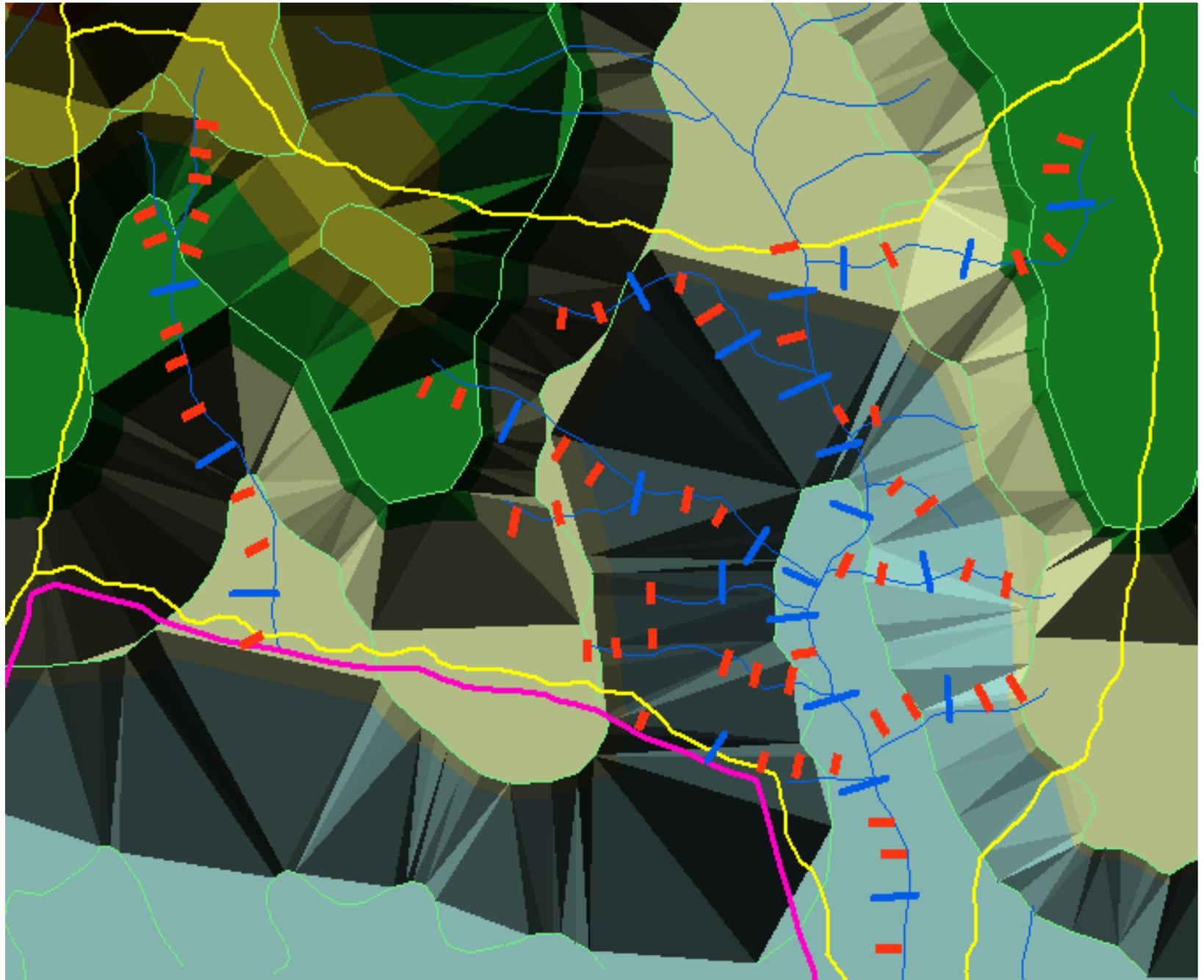
# FLOW ACCUMULATION



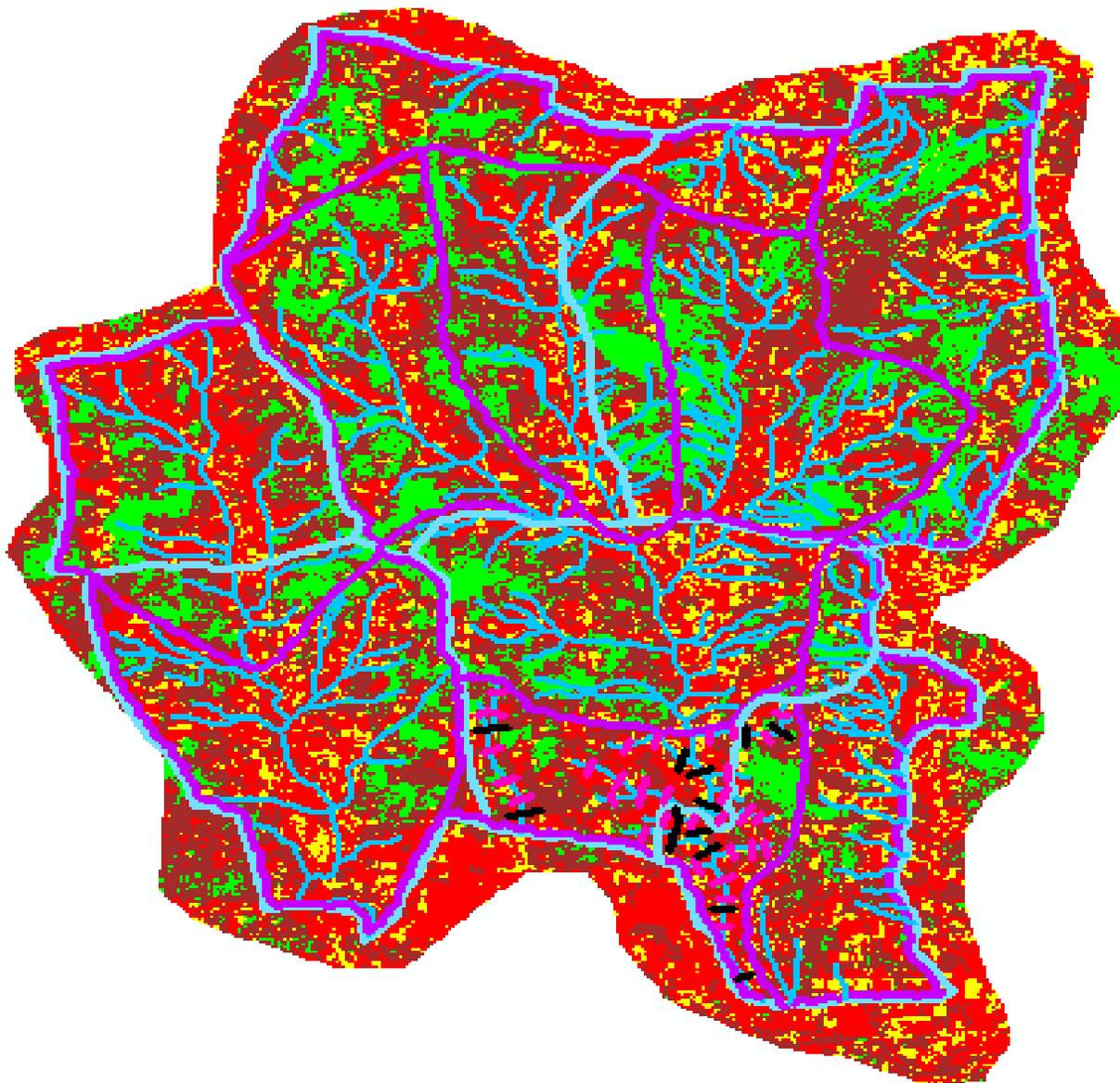
# SINKS



# LOCATION OF STRUCTURES PROPOSED BASED ON FIELD DATA



# Land use / Land cover Map



- drain arc
  - <all other values>
  - DRAIN-ID
  - Village Boundary
  - Watershed Boundary
  - Drainage
  - Vegetative Barriers
  - Stone Structures
- classified.img
  - Class\_Names
  - Builtup-Land
  - Double cropped area
  - Land with or without scrub
  - Rabi Unirrigated Area