|  |  |  |
| --- | --- | --- |
| Dataset | Data Source | Resolution |
| Elevation (DEM) | SRTM | 30 meters |
| Land Cover | ESA World Cover | 10 meters |
| Rainfall | CHIRPS | ~5 kilometers |
| Soil (Clay) | SoilGrid | ~250 meters |

**Data Sources**

**Drainage Density** computed: threshold 100

**Rasters Processing**

CRS: WGS1984, Resolution: 30m & reclassified to 5 classes

**AHP**

weights = {

'rainfall': 0.36,

'slope': 0.25,

'drainage': 0.22,

'lulc': 0.12,

'soil\_texture': 0.05

}