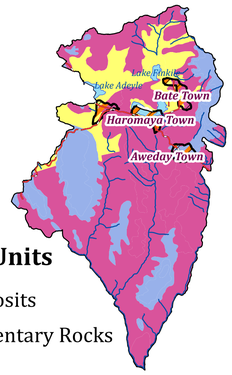
GROUNDWATER POTENTIAL ZONES INDEX MAP OF HAROMAYA WOREDA

Inset Maps

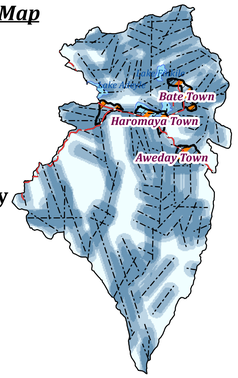
Major Geological Map



Major Geological Units

- Quaternary Deposits
- Mesozoic Sedimentary Rocks
- Basement Rocks

Lineament Density Map

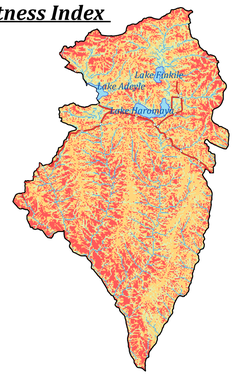


Lineament

Lineament Density (km/km2)

- 0 - 0.23
- 0.24 - 0.47
- 0.48 - 0.7
- 0.71 - 0.93

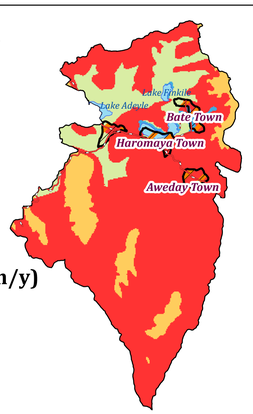
Topographic Wetness Index Map



TWI Value

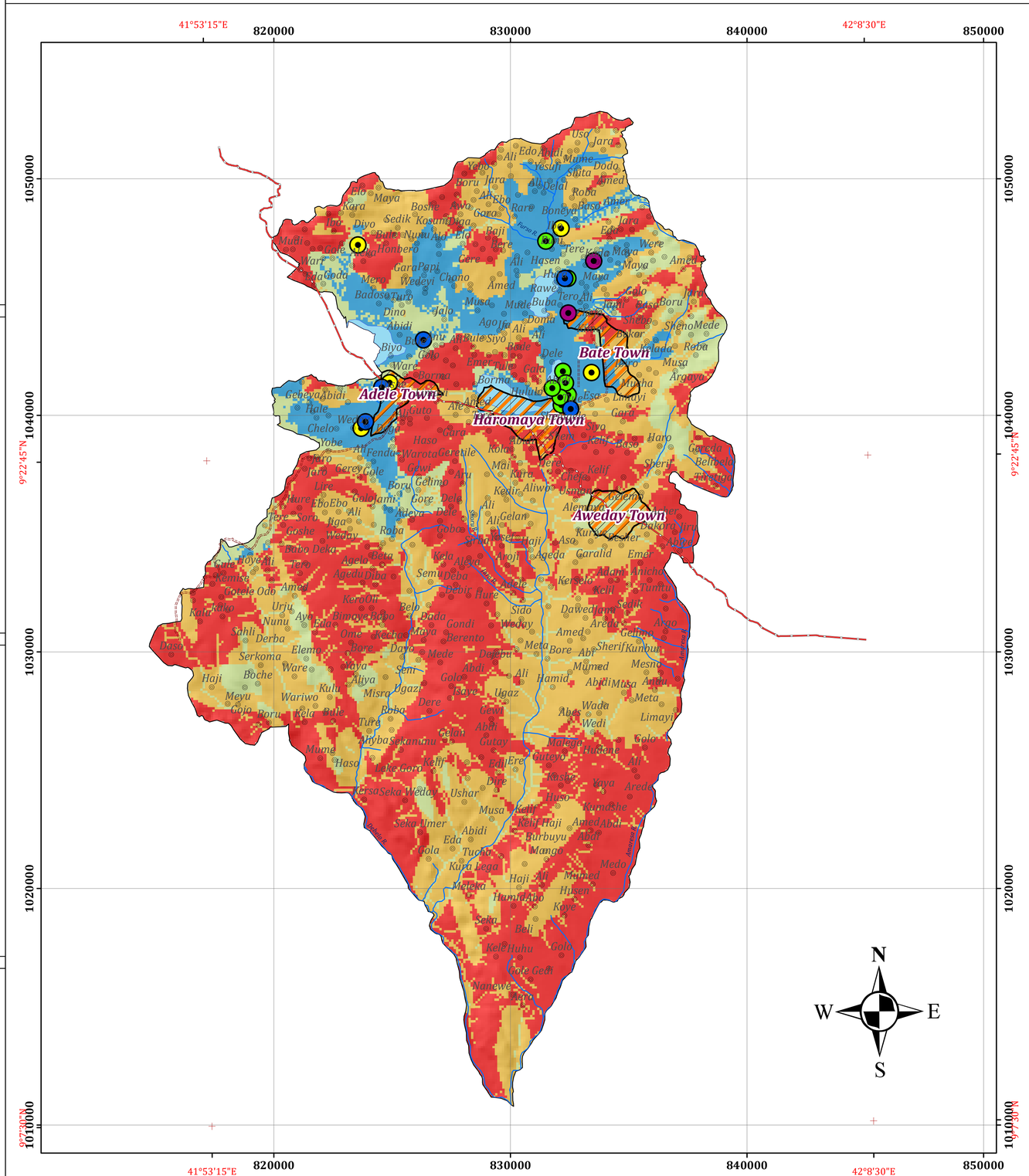
- 4.19 - 7.34
- 7.35 - 9.1
- 9.11 - 11.8
- 11.9 - 19.1

Annual Recharge Map



Annual Recharge (mm/y)

- 20.3 - 56.6
- 56.7 - 110
- 111 - 156
- 157 - 183



Horizontal Datum: WGS 1984
Vertical Datum: Mean sea level
Projection: Universal Transverse Mercator, Zone 37N

Scale: 1:100,000

6 3 0 6 12 18 Km

GROUNDWATER MAPPING

Legend

Groundwater Potential Zones

- Low (Yield < 3 l/s)
- Moderate (Yield = 3 - 5 l/s)
- High (Yield = 5 - 7 l/s)
- Very High (Yield >7 l/s)

Borehole Yield (l/s)

- < 3
- 4 - 5
- 6 - 7
- > 8

OTHER SYMBOLS

- Village
- Drainage
- All Weather Road (Asphalt)
- All Weather Road (Gravel)
- Town
- Lake

HYDROGEOLOGICAL MAPPING USING REMOTE SENSING, GIS AND GEOPHYSICAL SURVEYING

" Delivering Climate Resilient Water, Sanitation and Hygiene in Ethiopia (DCRW)"

DFID Department for International Development | MoWE | DH Consult | GOLDER

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