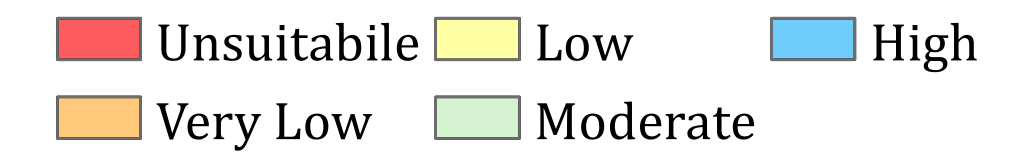


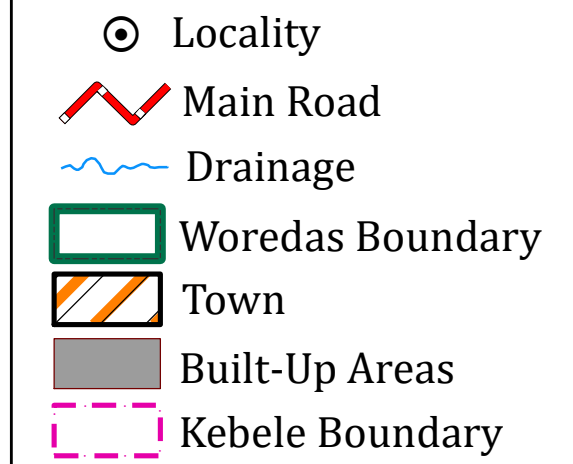
GROUNDWATER POTENTIAL MAP OF EROB WOREDA

Legend

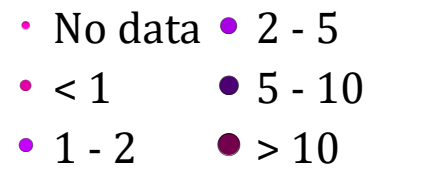
Groundwater Suitability Index



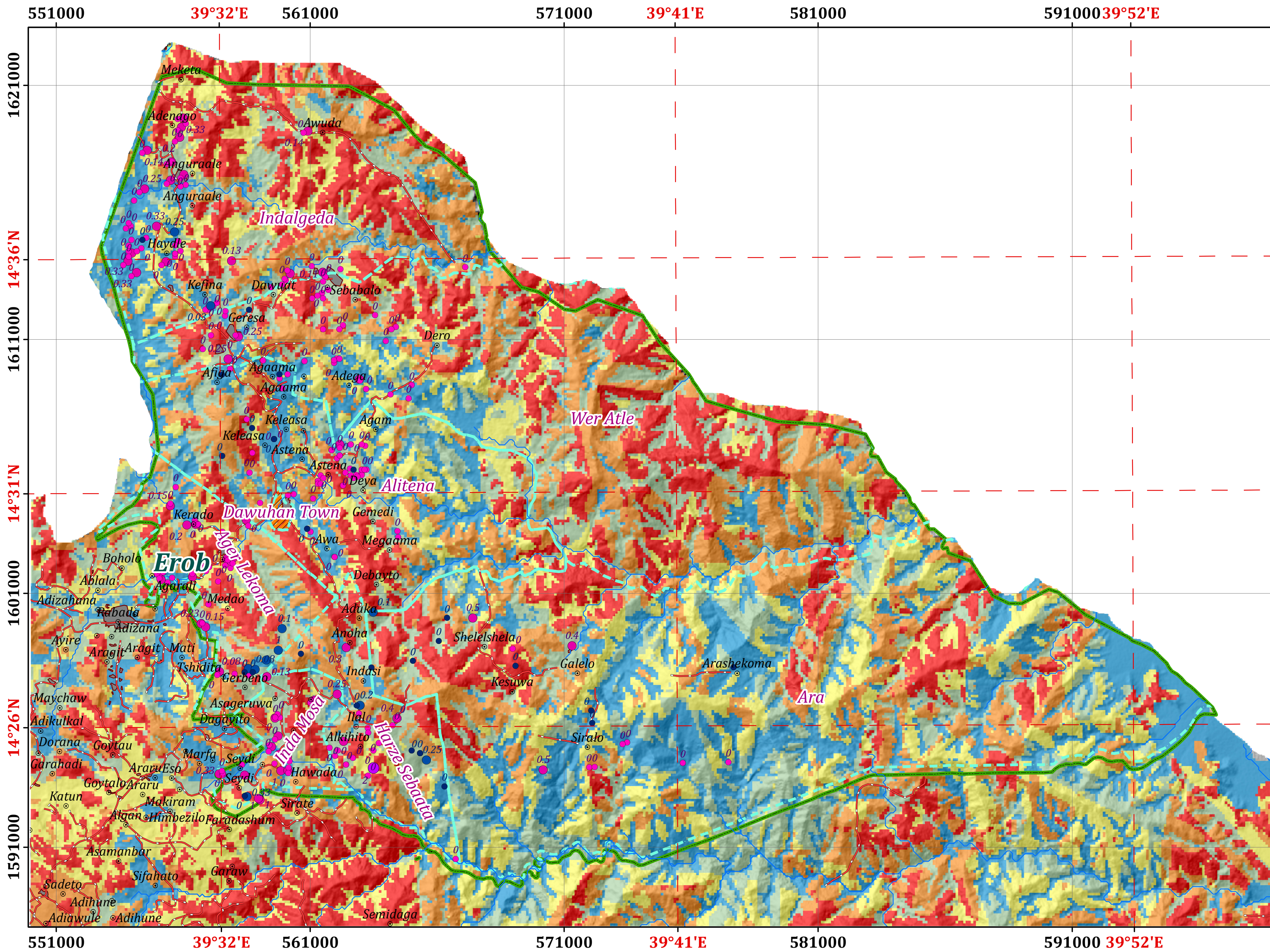
Other Symbols



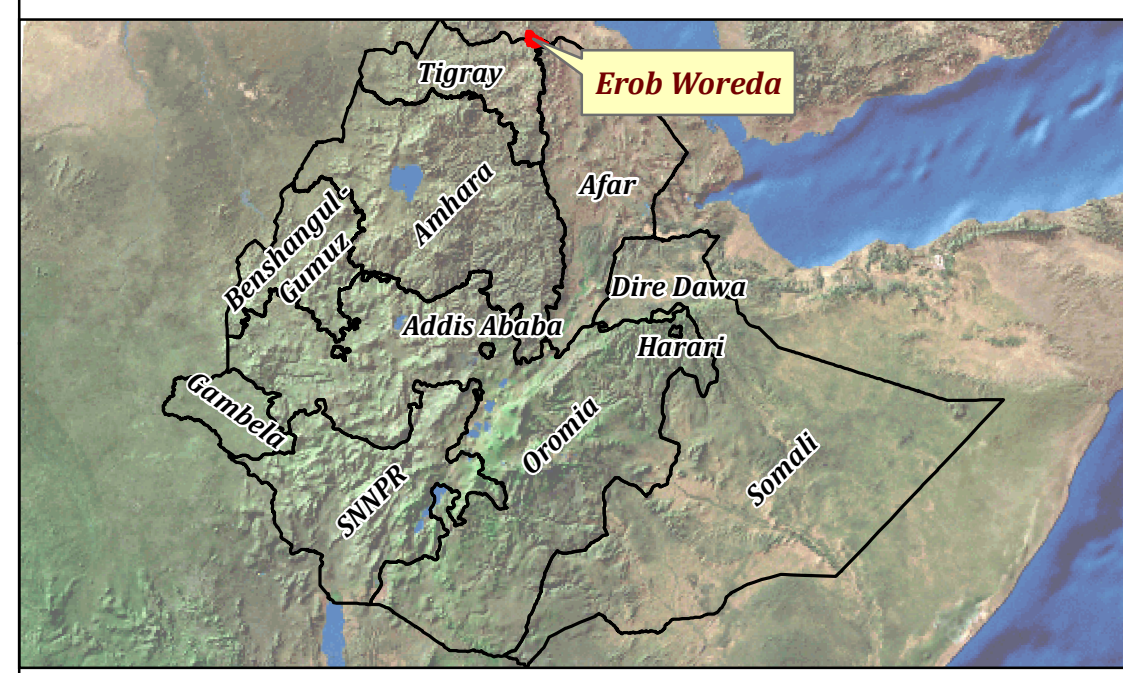
Well Yield (l/s)



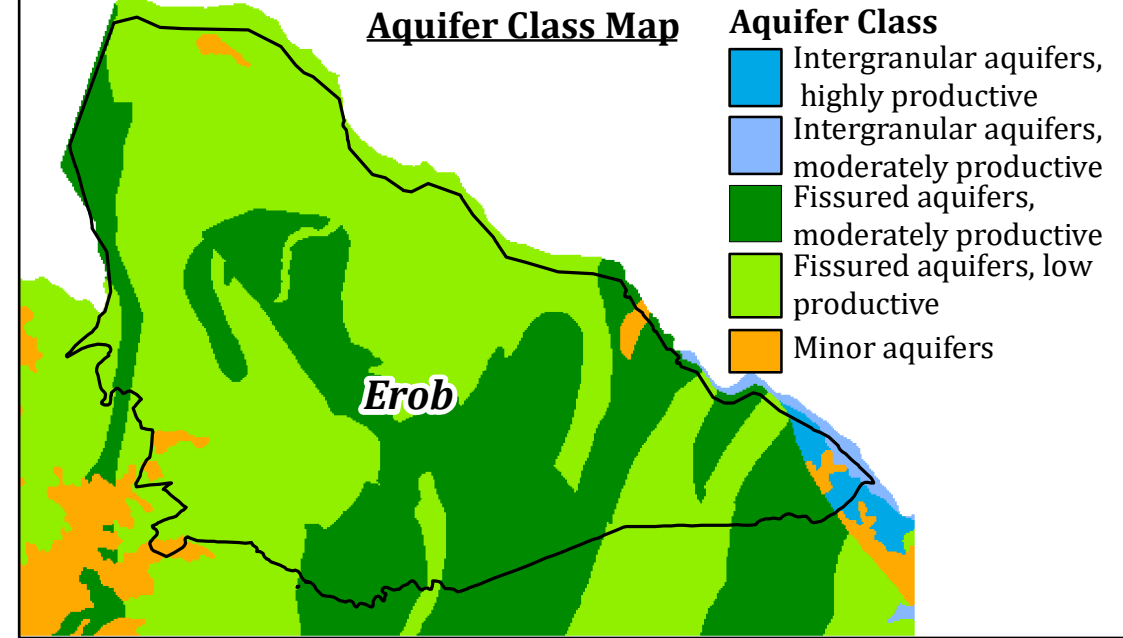
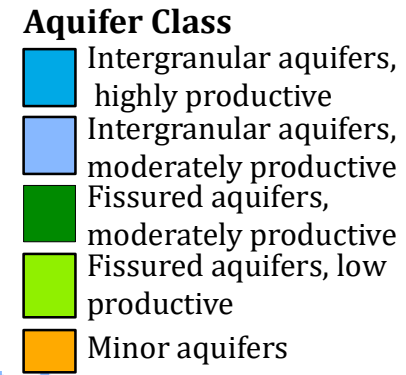
Spring Yield (l/s)



INSET MAPS

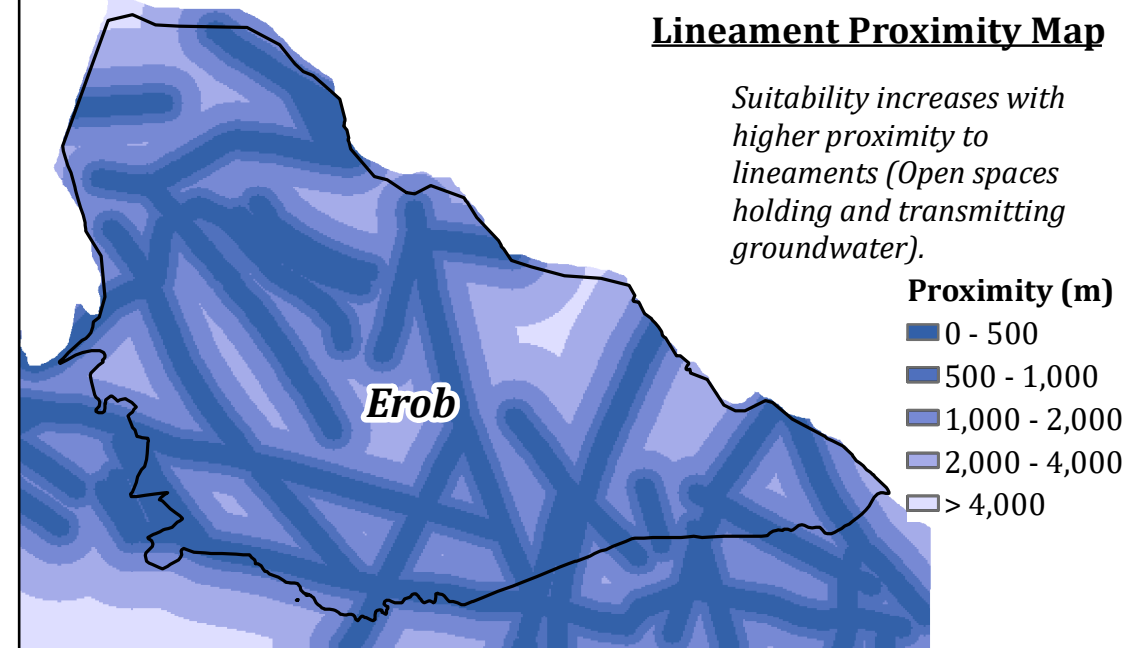
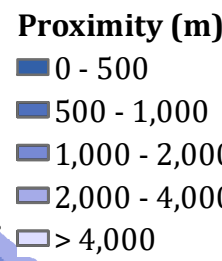


Aquifer Class Map



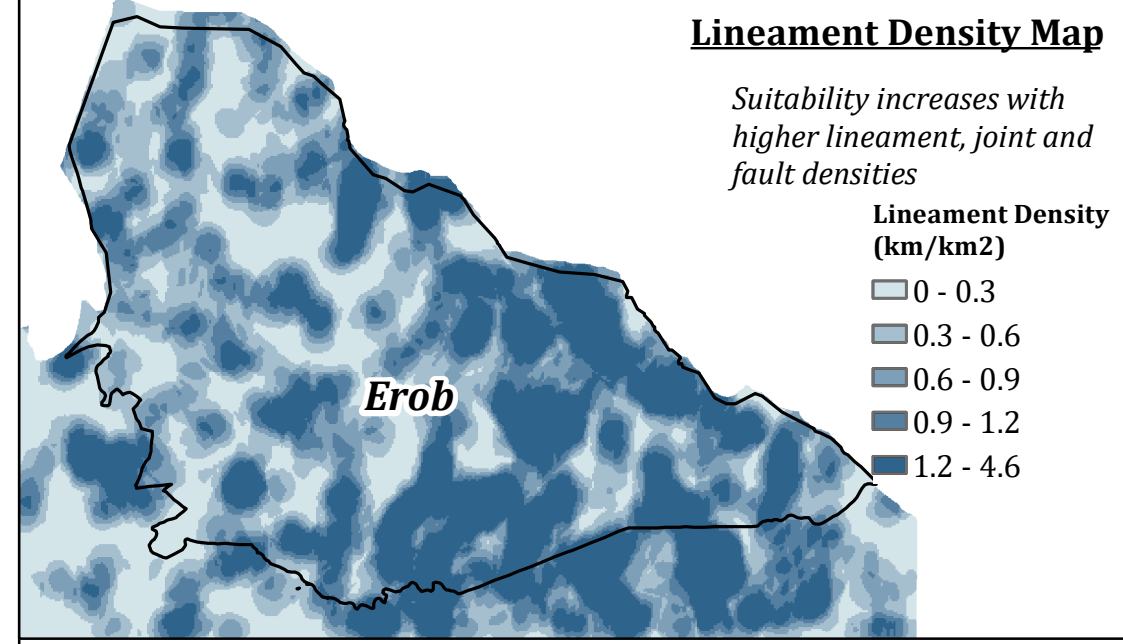
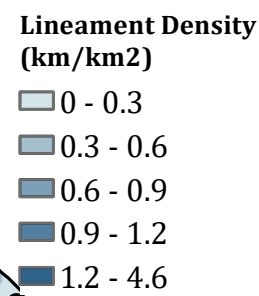
Lineament Proximity Map

Suitability increases with higher proximity to lineaments (Open spaces holding and transmitting groundwater).



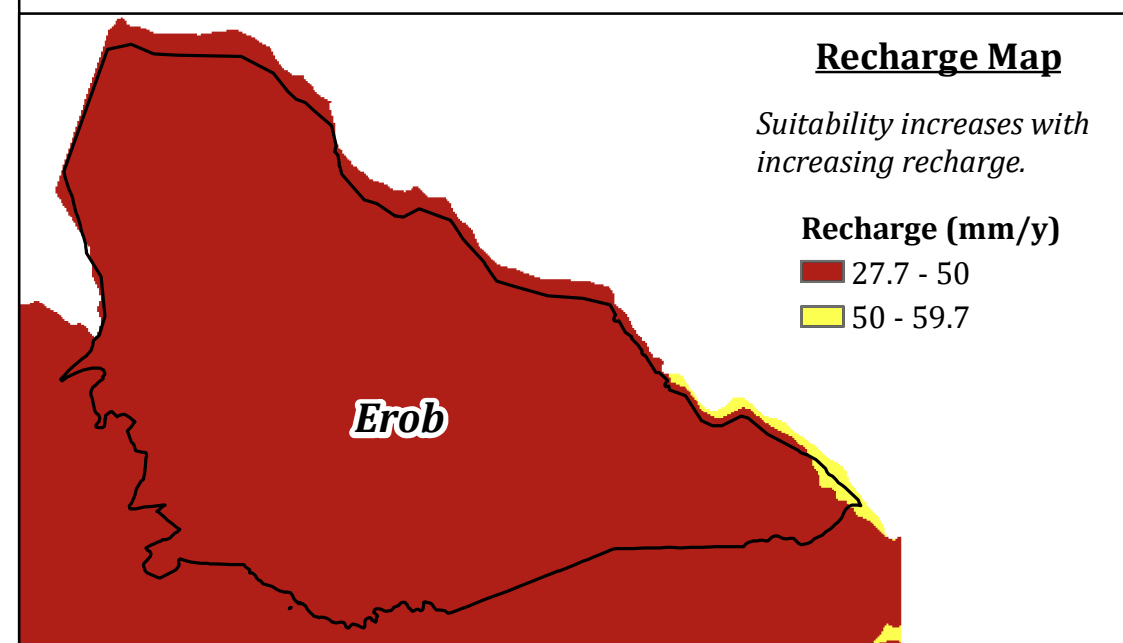
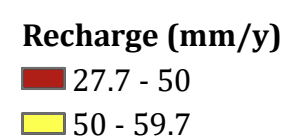
Lineament Density Map

Suitability increases with higher lineament, joint and fault densities



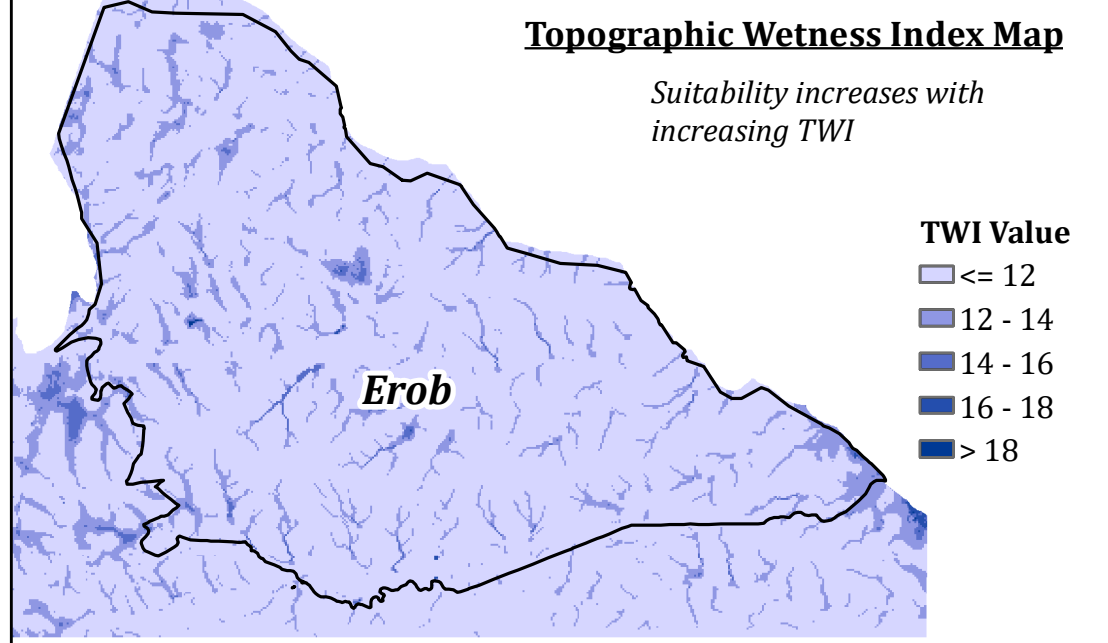
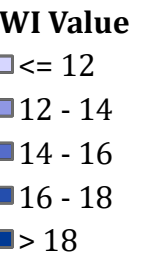
Recharge Map

Suitability increases with increasing recharge.



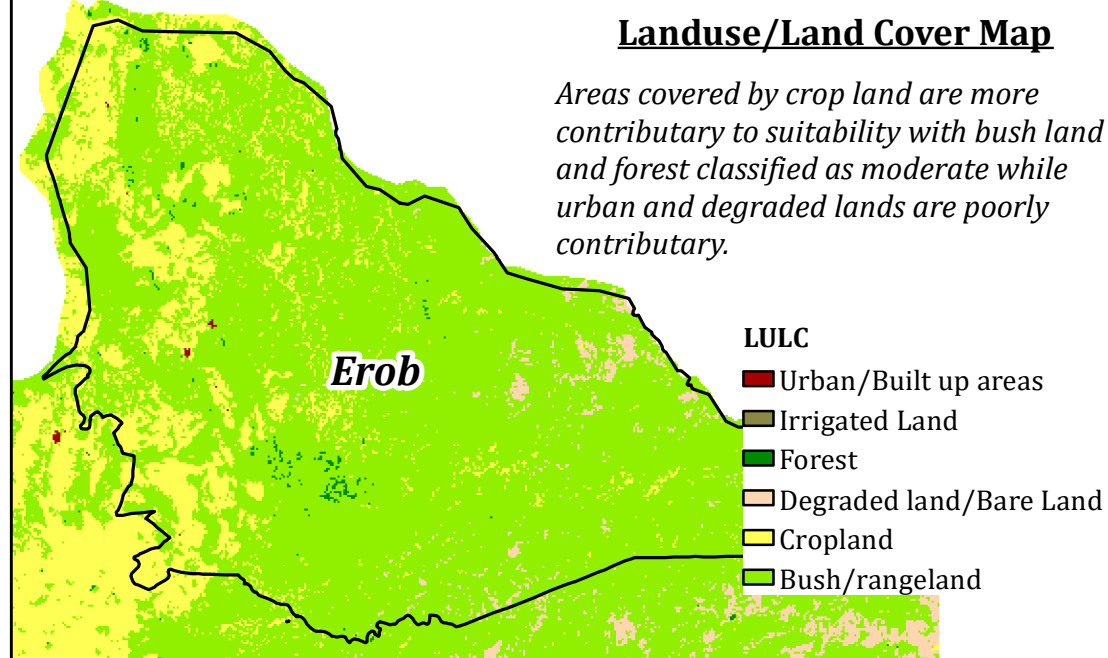
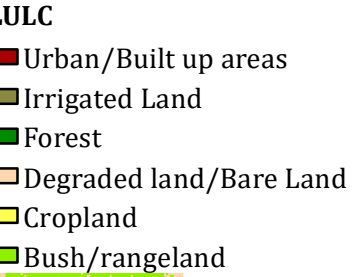
Topographic Wetness Index Map

Suitability increases with increasing TWI



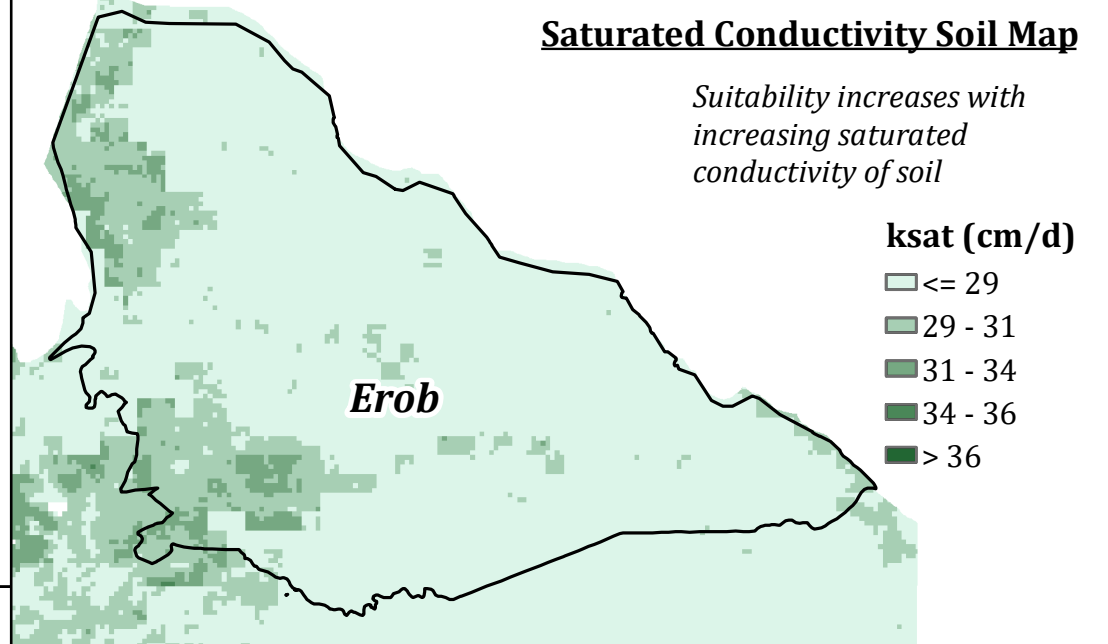
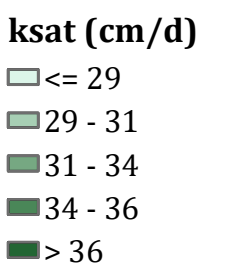
Landuse/Land Cover Map

Areas covered by crop land are more contributory to suitability with bush land and forest classified as moderate while urban and degraded lands are poorly contributory.



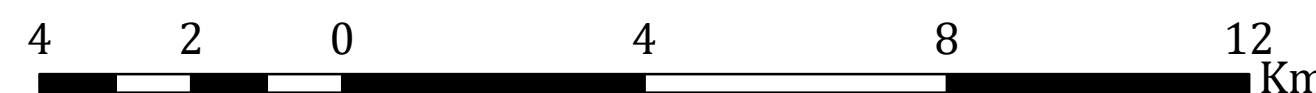
Saturated Conductivity Soil Map

Suitability increases with increasing saturated conductivity of soil

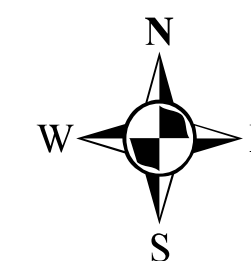


Horizontal Datum: WGS 1984
Vertical Datum: Mean sea level
Projection: Universal Transverse Mercator, Zone 37N

Administrative boundaries: CSA 2007
Built-up areas: Sentinel-2, Openstreetmap 2021



Scale: 1: 100,000



HYDROGEOLOGICAL MAPPING FOR CLIMATE RESILIENT WASH IN ETHIOPIA - LOT-1



Cartography By:- Assaminew Gebeyehu

December, 2021