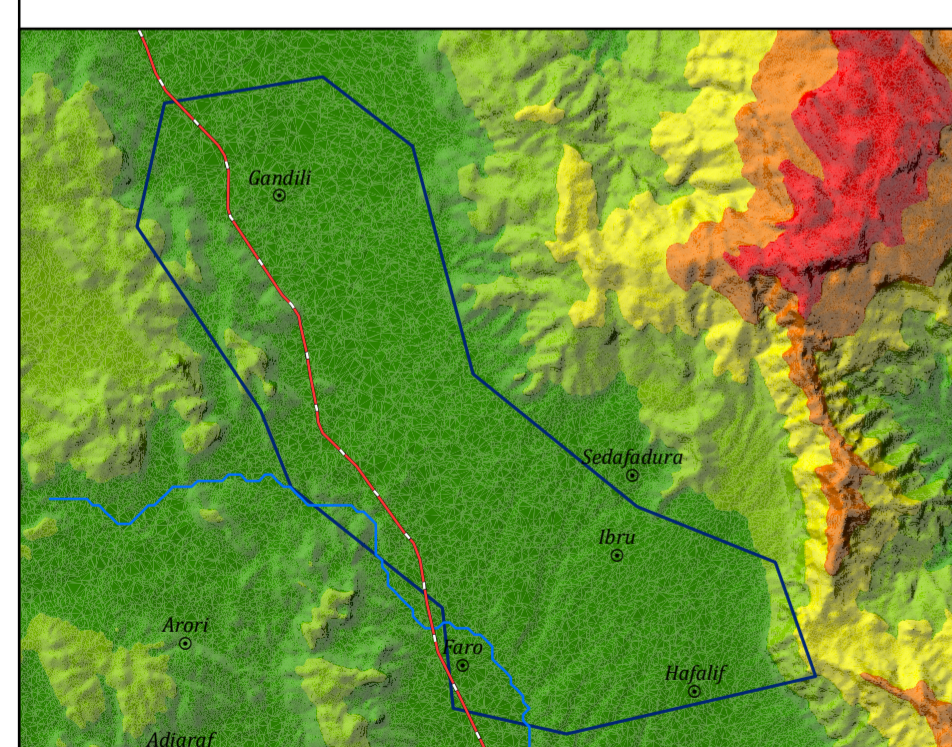
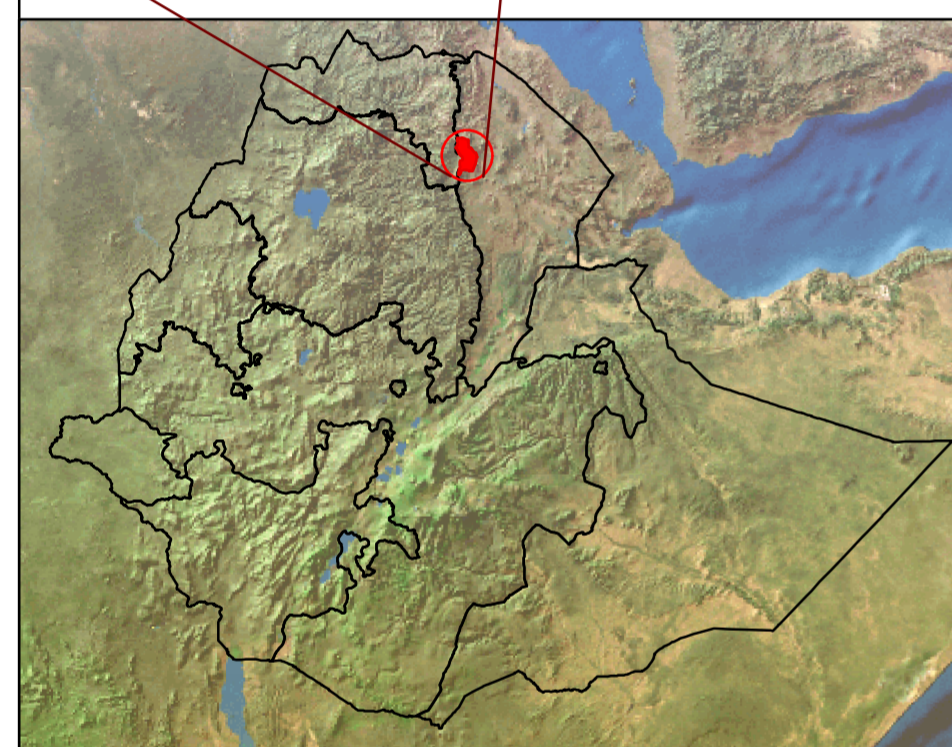
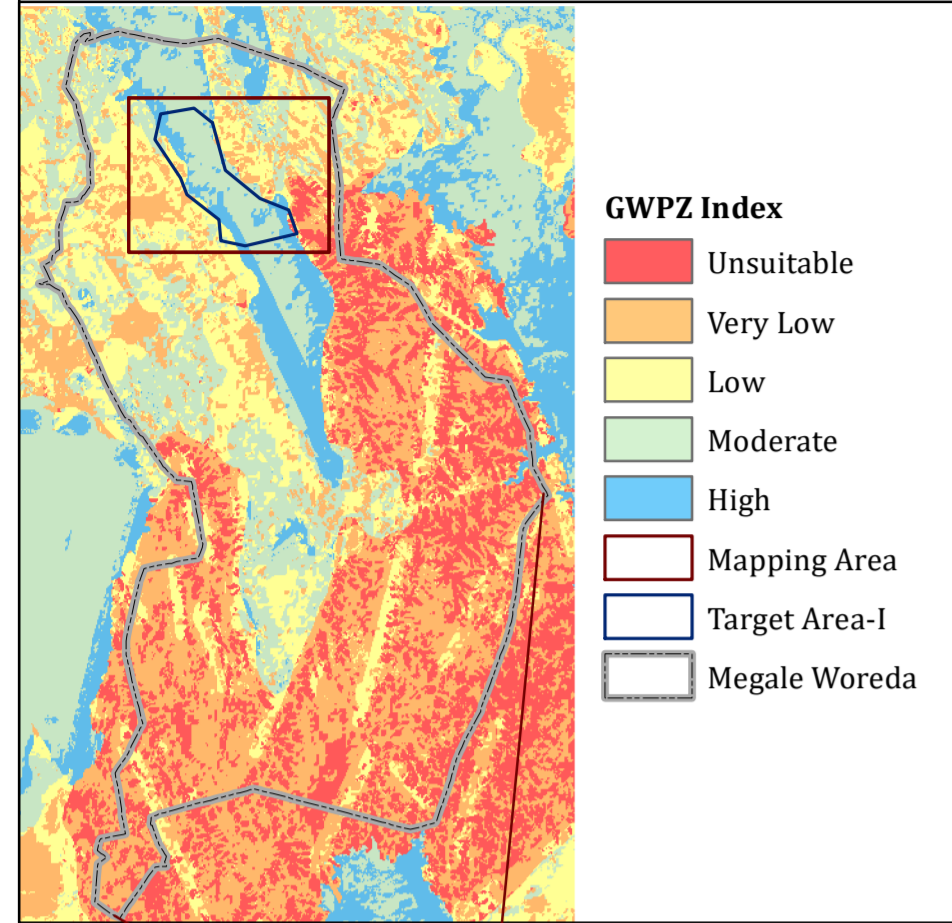
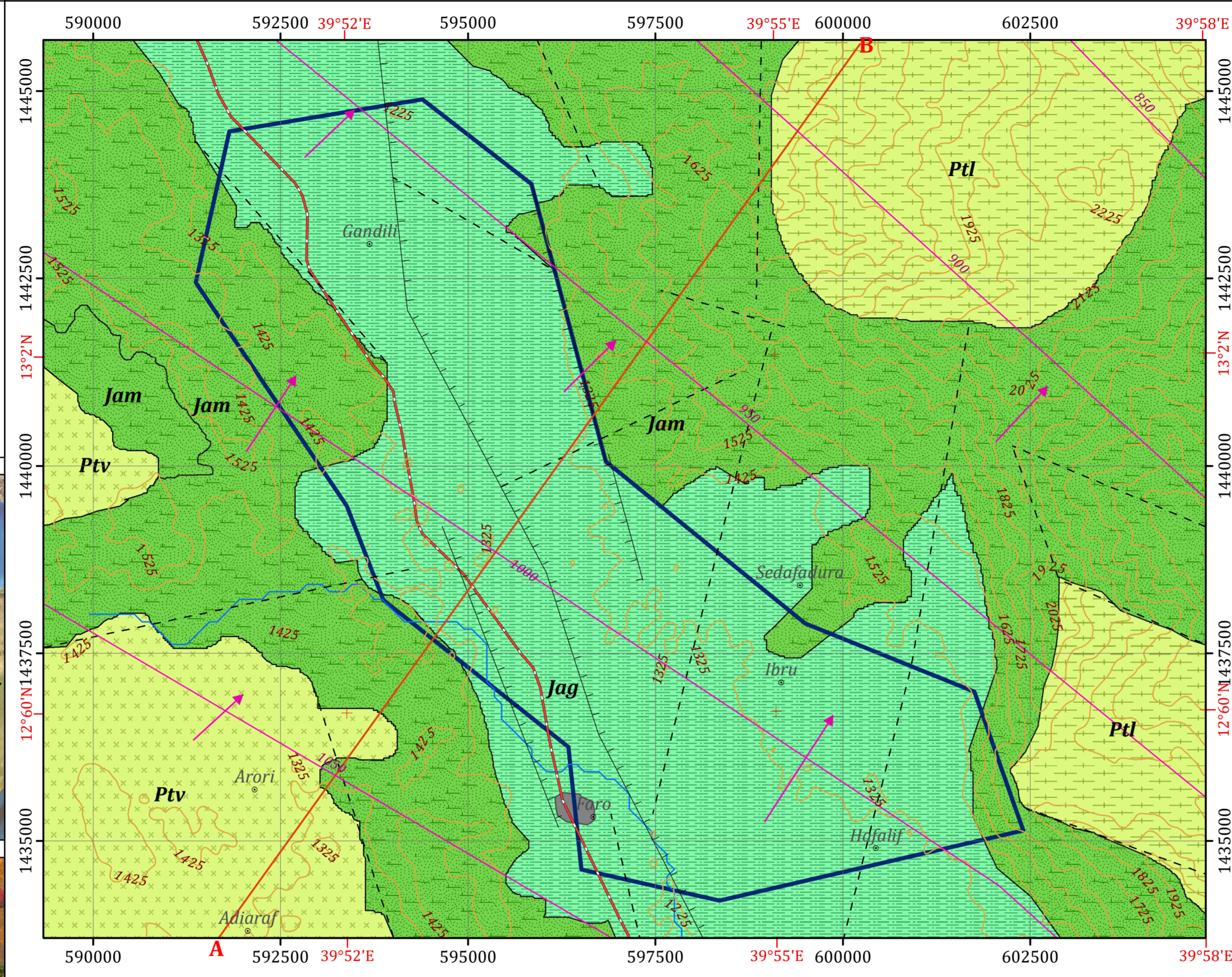


INSET MAPS

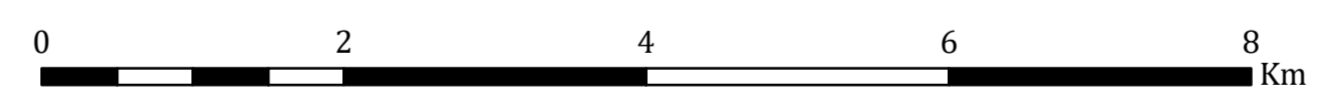


HYDROGEOLOGICAL MAP OF TARGET AREA-I WITHIN MEGALE WOREDA



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

Scale: 1:50,000



Legend

AQUIFER CLASSIFICATION

- Aquifer class-I:** Highly productive aquifers ($T = 10-100\text{m } 2/d$, $q = 1-10\text{ l/s/m}$, $Q = 5-25\text{ l/s}$ for wells or locally extremely productive aquifers consisting of primary porosity and fracture porosity of the sandstone
- Aquifer class-II:** Moderately productive fissured /karst aquifers ($T = 1-10\text{m } 2/d$, $q = 0.01-1\text{ l/s/m}$, $Q = 0.5-5\text{ l/s}$ for wells and locally highly productive aquifers in fracture zones and karsts
- Aquifer class-III:** Low productive fissured aquifers ($T = 0.1-1\text{m } 2/d$, $q = 0.001-0.01\text{ l/s/m}$, $Q = 0.05-0.5\text{ l/s}$ for wells and/or springs in which flow is mainly developed in irregular system of fissures & weathered mantle of acrySTALLINE rock

LITHOSTRATIGRAPHIC UNITS

- Ptv** Transverse volcanics
- Jag** Agula shale
- Jam** Ambaradam sandstone
- PtI** Undifferentiated phyllitic schist

GEOLOGICAL STRUCTURES

- Lineament
- Normal fault

OTHER SYMBOLS

- ⊙ Locality
- Flow Direction
- ~ Groundwater Contour
- Contour Line (25 m Interval)
- ~ Drainage
- Main Road
- A-B Cross Section Line
- Target Area-I

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



Hydrogeological map production : Dr. Dessie N. & Shiferaw L.
 Geological map production : Dr. Tarekegn T.& Dr. Yohannes D.
 Cartography:- Assaminew G. February, 2022

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