




### INSET MAPS


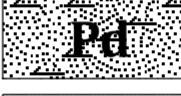


### GEOLOGICAL MAP OF TARGET AREA-I WITHIN SAESI TSADAMBA WOREDA

### Legend




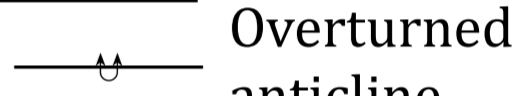

#### AQUIFER CLASSIFICATION

-  Aquifer class-I: Moderately productive Porous/fissured aquifer (T=1-10m<sup>2</sup>/d, Q=0.5- 5 l/s)
-  Aquifer class-II: Moderately productive fissured/karst aquifer, (T=1-10m<sup>2</sup>/d, Q=0.5- 5 l/s)
-  Aquifer class-III: Low productive fissured aquifers (T=0.1-1m<sup>2</sup>/d, Q=0.05-0.5 l/s)




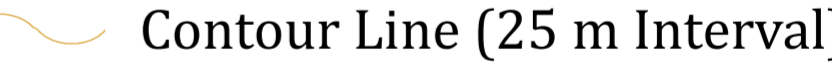







#### LITHOSTRATIGRAPHIC UNITS

-  Paleozoic Sediments
-  Didikema Formation
-  Arequa Formation (Tambain Group)
-  Tsaliyet Group

#### GEOLOGICAL STRUCTURES

-  Normal fault
-  Lineament
-  Trust Fault
-  Overturned anticline
-  Overturned syncline

#### OTHER SYMBOLS

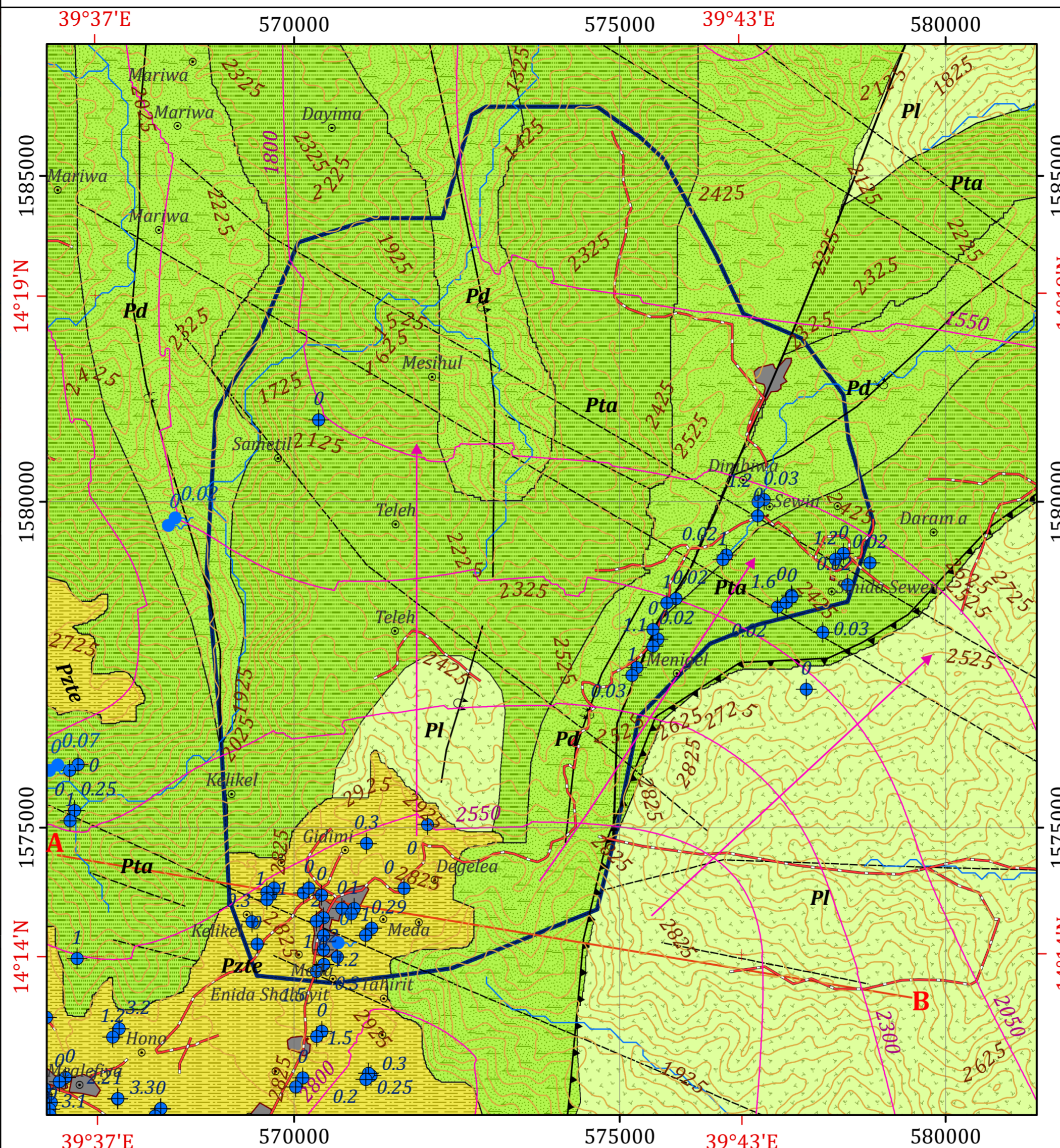
-  Locality
-  Borehole
-  Spring
-  Contour Line (25 m Interval)
-  Drainage
-  Main Road
-  Cross Section Line
-  Flow Direction
-  Groundwater Contour
-  Target Area-I
-  Built-up Area

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

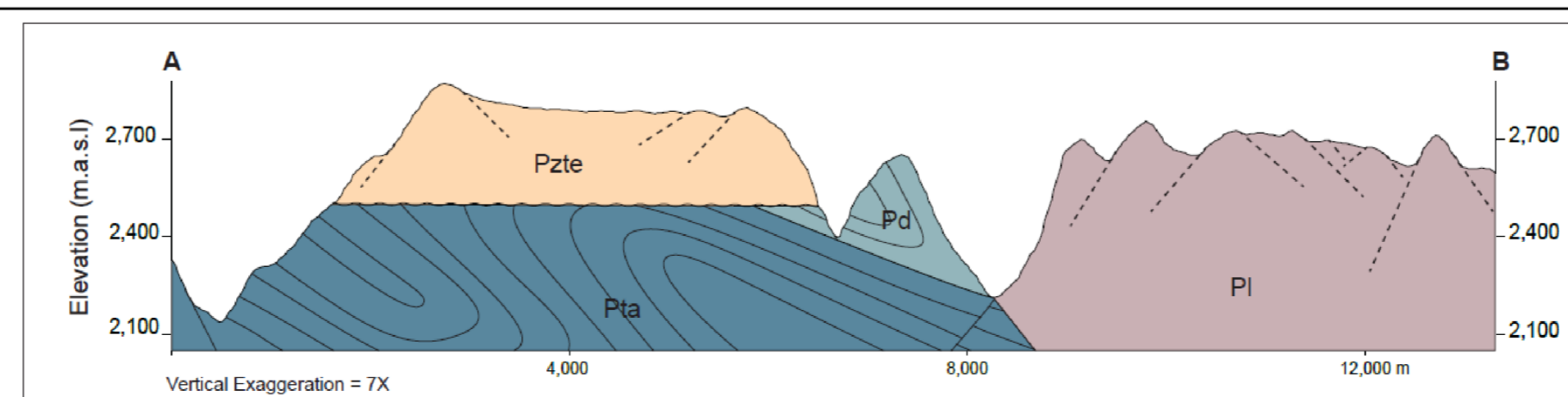


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 Geological map production : Dr. Tareegn T.& Dr. Yohannes D.  
 Cartography:- Assaminew G.



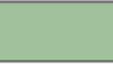



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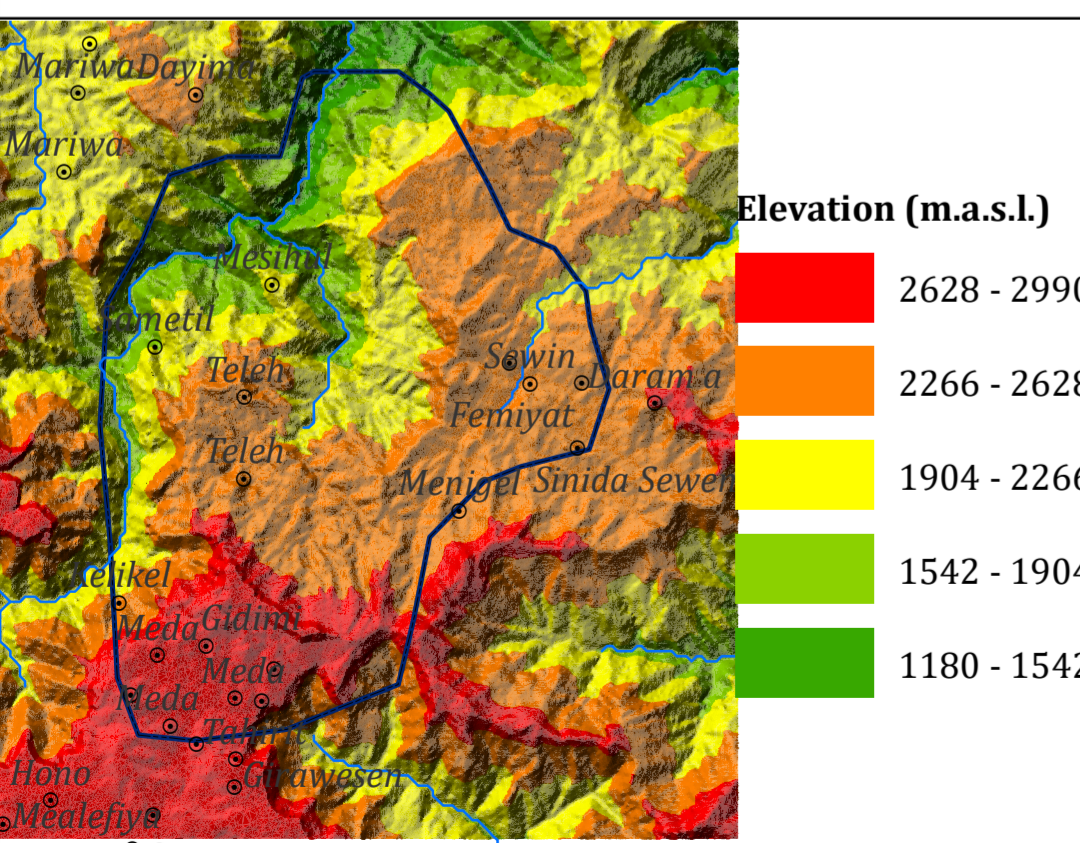
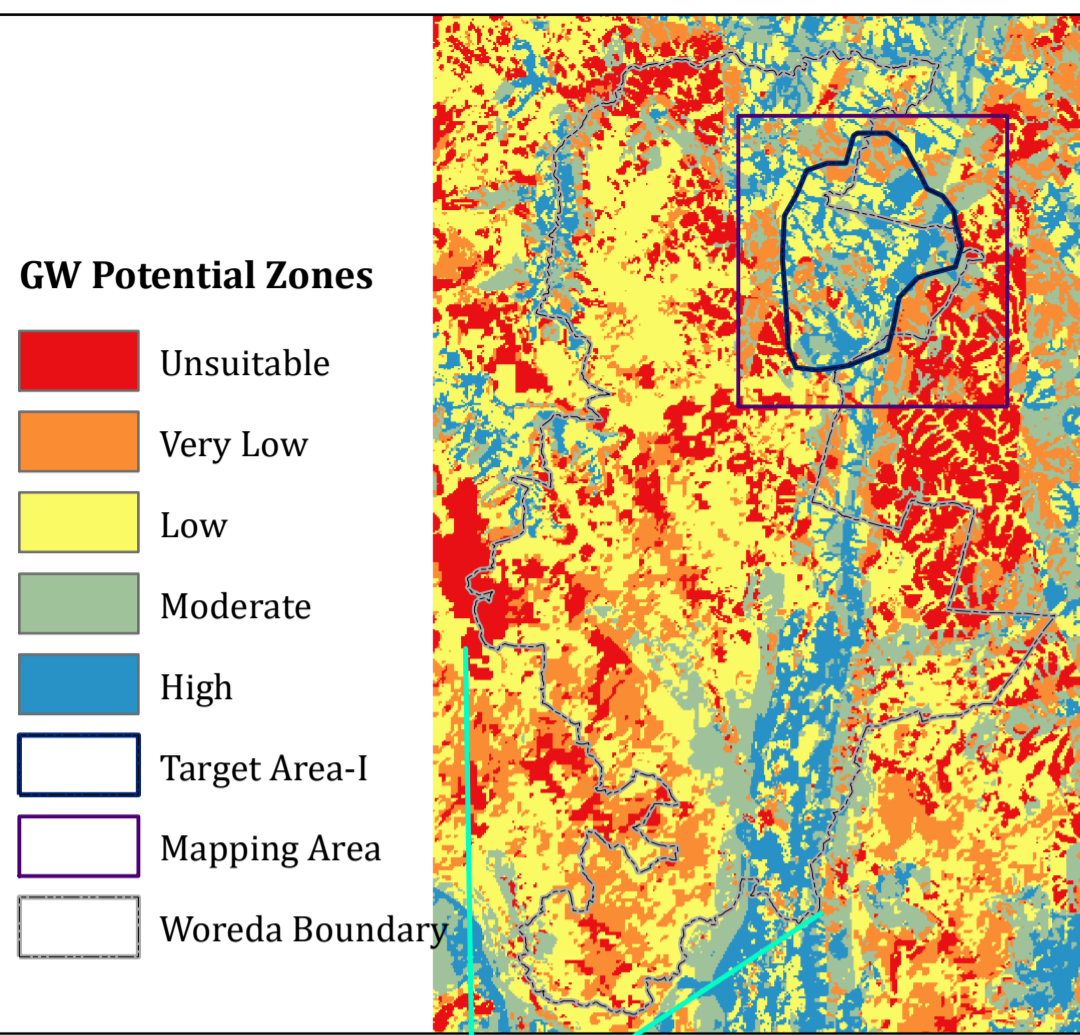


Horizontal Datum: WGS 1984  
 Vertical Datum: Mean sea level  
 Projection: Universal Transverse Mercator, Zone 37N  
 Scale: 1:50,000



#### GW Potential Zones

-  Unsuitable
-  Very Low
-  Low
-  Moderate
-  High
-  Target Area-I
-  Mapping Area
-  Woreda Boundary



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