










## Legend

-  low productive fissured aquifer ( $T = 0.11 - 1 \text{ m}^2/\text{d}$ ,  $q = 0.0011 - 0.01 \text{ l/s}\cdot\text{m}$ ,  $Q = 0.051 - 0.5 \text{ l/s}$  for wells and/or springs) in which flow is mainly developed in irregular system of fissures and weathered mantle of a crystalline rock (metamorphic rocks) with local and limited groundwater resources. This aquifers consist of meta-volcanic. The aquifers are shown on map in a redbrown color.
-  Low to Moderate productive fissured aquifers ( $T = 0.11 - 1 \text{ m}^2/\text{d}$ ,  $q = 0.0011 - 0.01 \text{ l/s}\cdot\text{m}$ ,  $Q = 0.05 - 0.5 \text{ l/s}$  for wells and/or springs), in which flow is mainly through a regularly developed system of fissures of volcanic rocks. The aquifers are shown on the map in a red color & consist Tertiary Upper basalts and trachyte (TV3) = Adigrate Sandstone.
-  High to very productive fissured aquifers ( $T = 10.1 - 100 \text{ m}^2/\text{d}$ ,  $q = 1.1 - 10 \text{ l/s}\cdot\text{m}$ ,  $Q = 5 - 27.5 \text{ l/s}$  for wells and/or springs), in which flow is mainly through a regularly developed system of fissures of volcanic rocks. The aquifers are shown on the map in a dark to light green color & consist Tertiary Upper basalts and trachyte (TV3) = Ashange Formation.
-  Boundary
-  Borehole
-  Water Level
-  GWF-Direction
-  Fault Line

<b>Project</b>	Hydrogeological mapping Using Remote Sensing, GIS & Geophysical Surveying (LOT-2)		
<b>Client</b>	Ministry of Water & Energy		
<b>Consultant</b>	ECDSWC-WEDSES		
<b>Map Title</b>	Hydrogeological X-section		
<b>Scale</b>	V/H=10		
<b>Prepared by</b>	ECDSWC		
<b>Organizer</b>	Simegnew T.	<b>Checked by</b>	Ashebir G. & Ewnetu B.
<b>Approved by</b>	Ephrem T.	<b>Date</b>	Dec-21