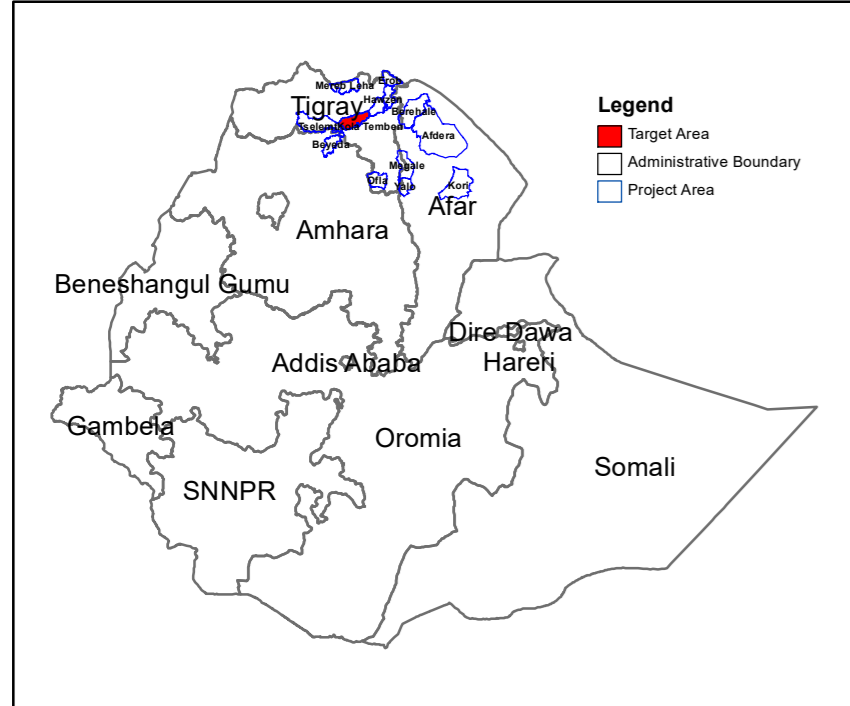
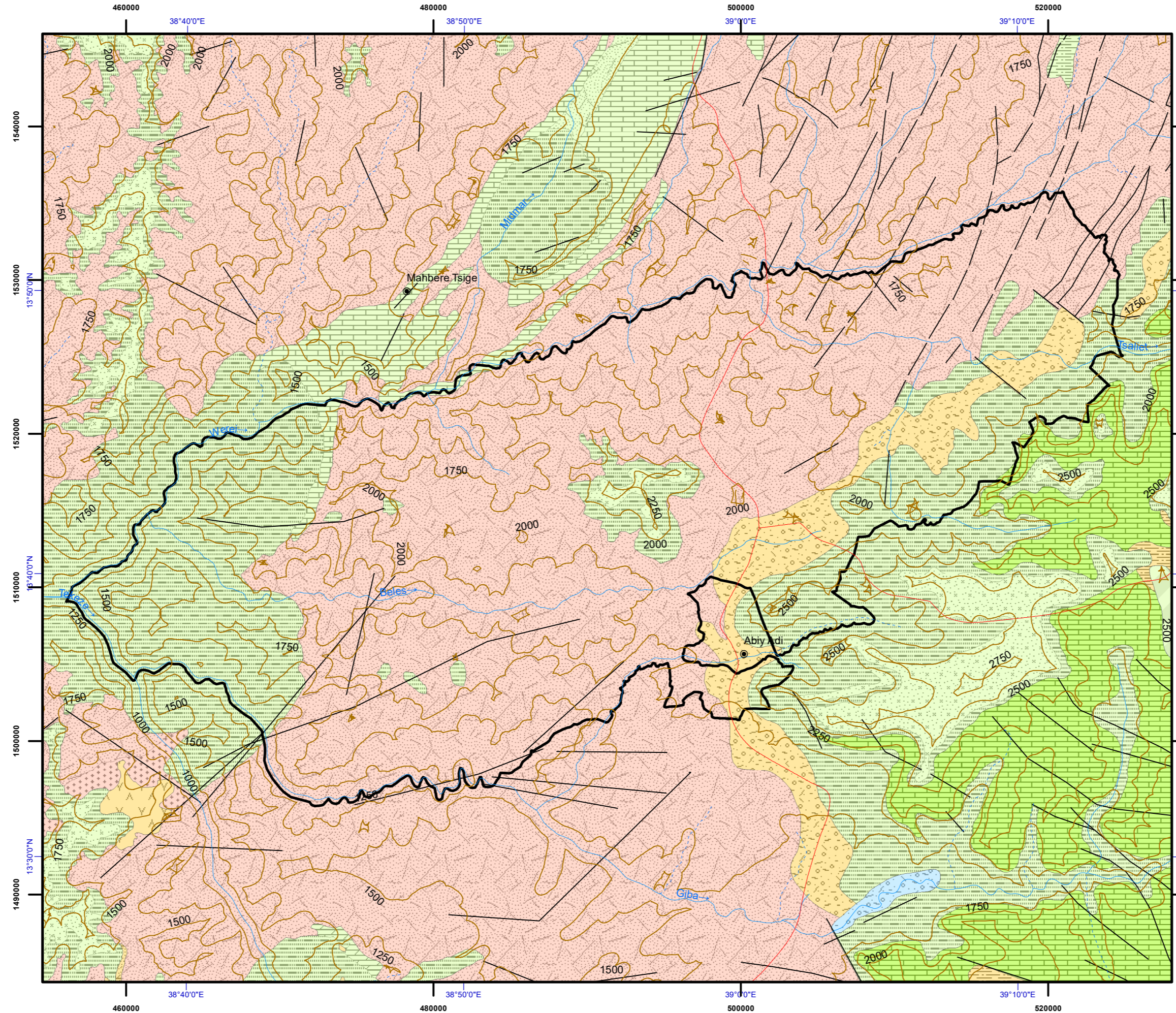
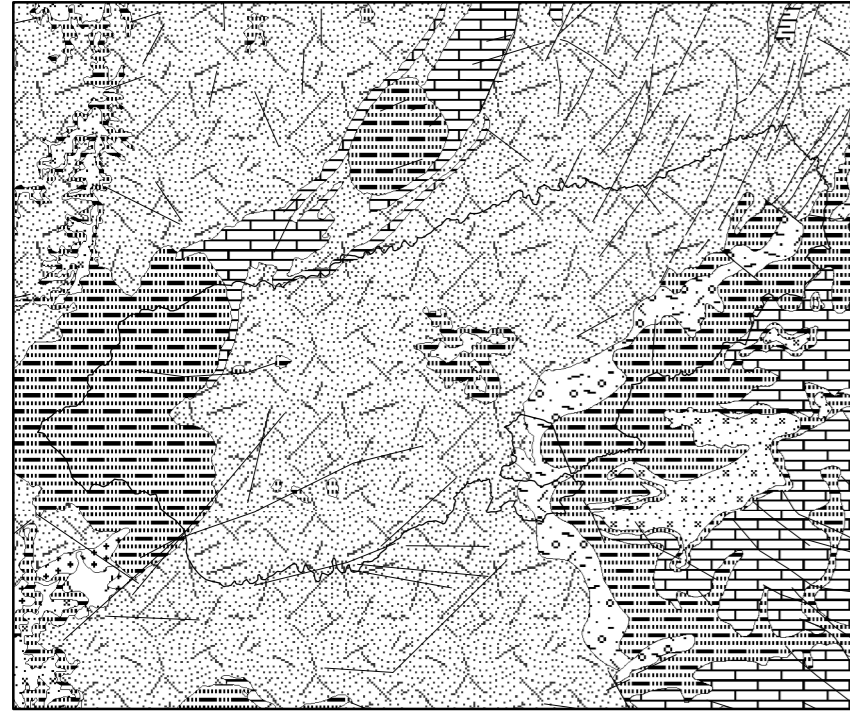


HYDROGEOLOGICAL MAP OF KOLA TEMBEN

PROJECT AREA



GEOLOGICAL MAP OF KOLA TEMBEN

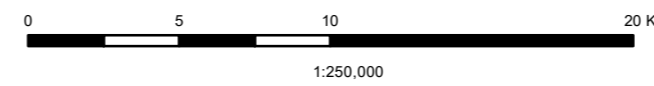


LEGEND

- Aquifer Classification**
- Moderately productive fissured aquifers ($T = 1 - 10 \text{ m}^2/\text{d}$, $q = 0.01 - 1 \text{ l/s.m}$, $Q = 0.5 - 5 \text{ l/s}$ for wells and/or springs) or local or discontinuous but highly productive aquifers consisting of sedimentary and volcanic rocks
 - Low productive fissured aquifers ($T = 0.1 - 1 \text{ m}^2/\text{d}$, $q = 0.001 - 0.01 \text{ l/s.m}$, $Q = 0.05 - 0.5 \text{ l/s}$ for wells and/or springs) in which flow is mainly developed in irregular system of fissures & weathered mantle of a crystalline rock
 - Aquicluds minor aquifers with local & limited groundwater resources consisting of sedimentary and volcanic rocks
- Perennial river
Intermittent river
Contour
Fault
Road
Town
Woreda Boundary
- Lithology**
- Basalt with minor trachyte and upper pyroclastic
 - Edaga Arbi Glacials/Tillite and Enticho sandstone
 - Limestone, undifferentiated slates, calcareous sediments, marble and fossiliferous and sand limestone
 - Sandstone – Adigrat, Amba Aradom, Enticho
 - Low grade metamorphic rocks – phylite and slate- metavolcanics rocks - intermediate and basic lavas, tuffaceous slate, agglomerate, rhyolite and metasediments - black slate limestone, sandstone, siltstone and greywacke

Disclaimer:

This document was produced with the financial assistance of The Department for International Development, UK. The boundaries in this map are not authoritative or political. Geology compiled by Geological Survey of Ethiopia from 1971 to 2015. Hydrogeology compiled by: Jiri Sima, 2021. Digital Cartography: Shiferaw Ayele Mamo, 2021



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

Hydrogeological Mapping for Climate Resilient Wash in Ethiopia - Lot 1

