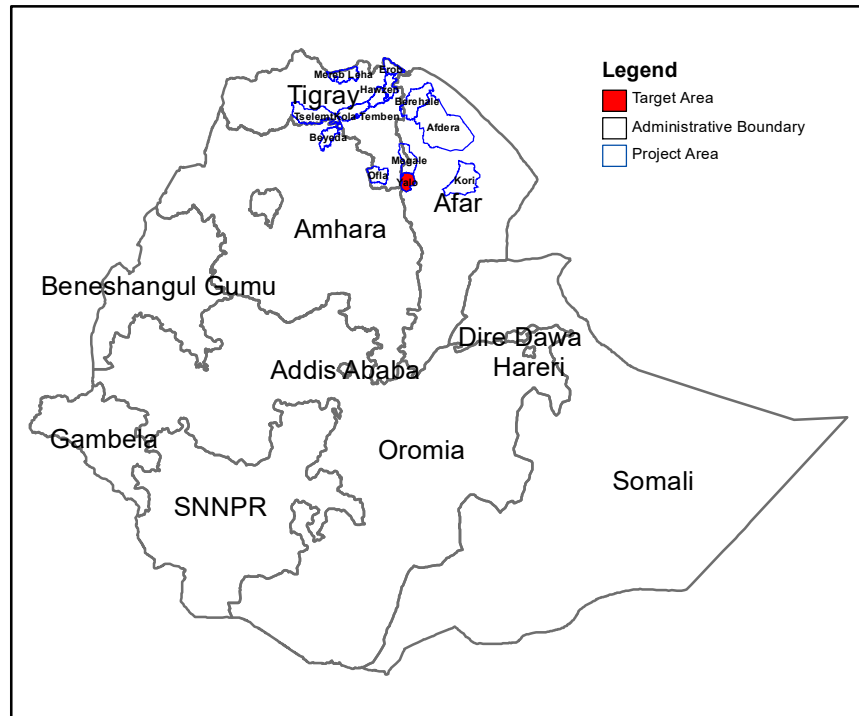
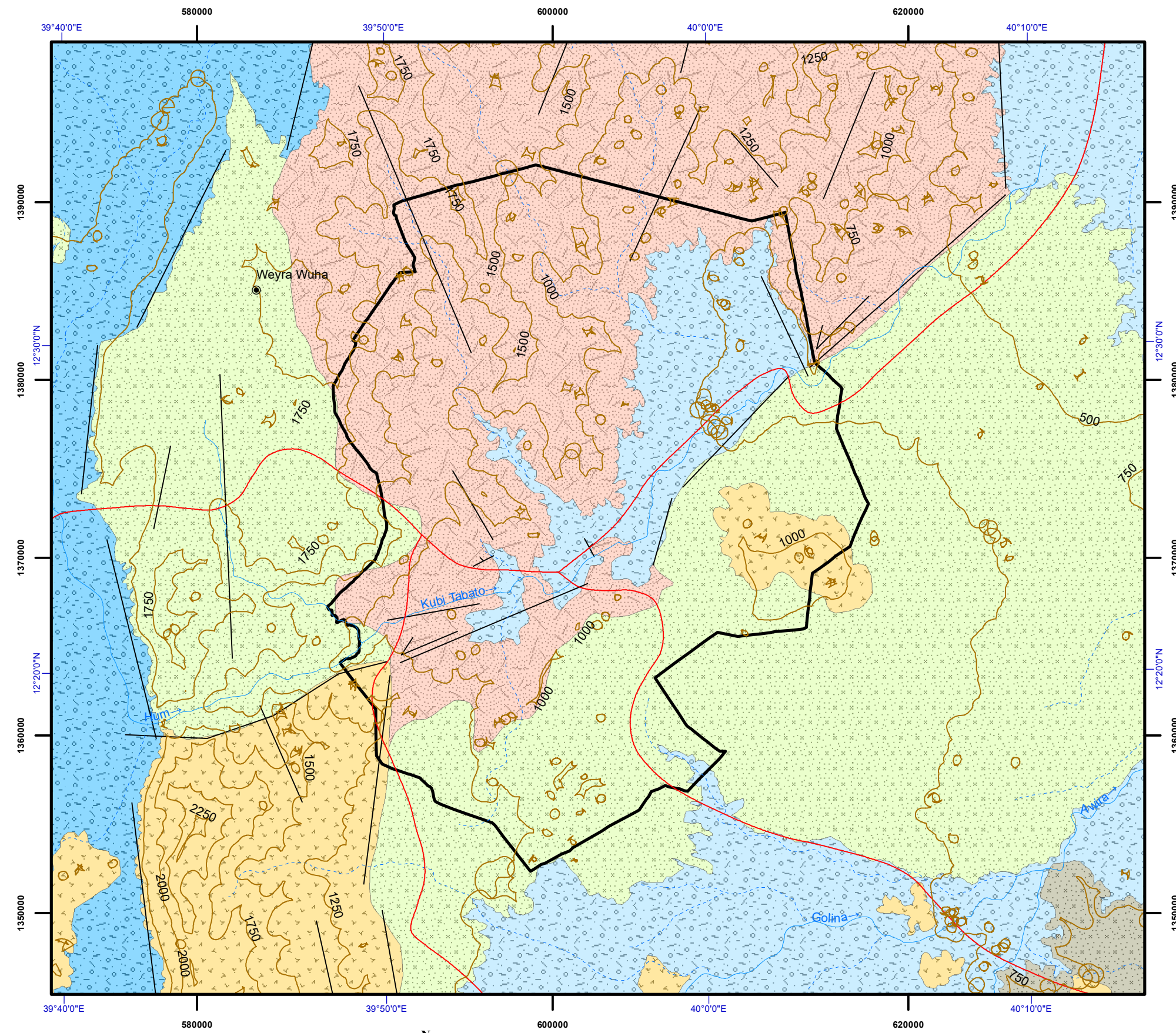
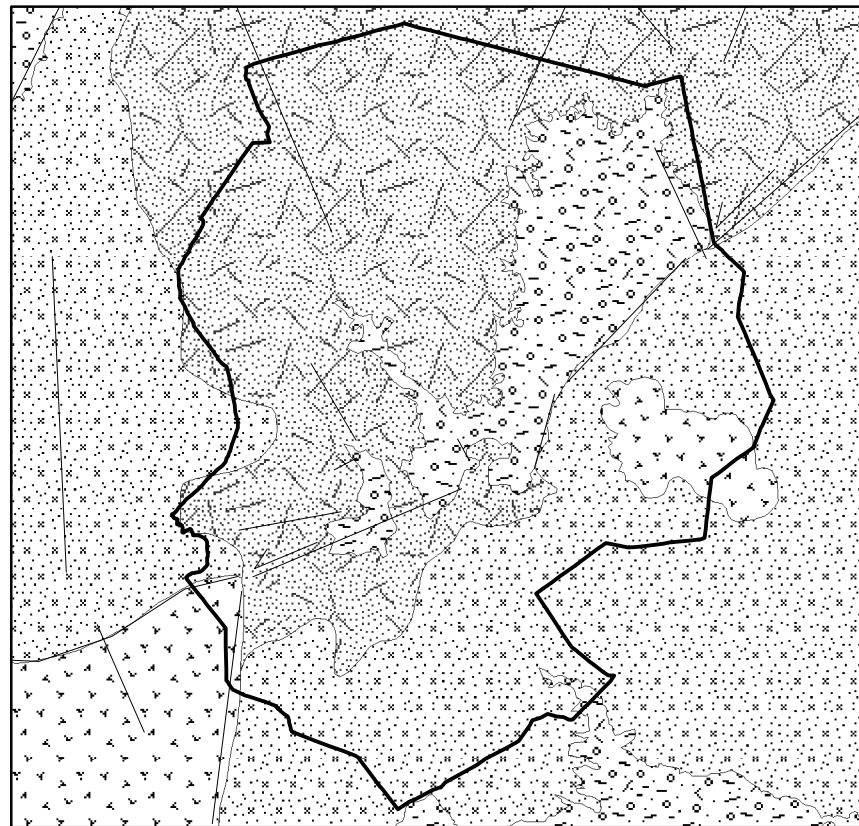


HYDROGEOLOGICAL MAP OF YALO

PROJECT AREA



GEOLOGICAL MAP OF YALO



LEGEND

Aquifer Classification

- Moderately productive porous 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
- 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
- Aquitards minor aquifers with local & limited groundwater resources consisting of sedimentary and volcanic rocks

- Perennial river
- Intermittent river
- Contour
- Fault
- Town
- Road
- Woreda Boundary

Lithology

- Alluvial and lacustrine sediments – clay and sand with gravel dunes and other aeolian deposits (in Afar)
- Basalt with minor trachyte and upper pyroclastic
- Rhyolite and alkaline over saturated trachyte, alkaline and peralkaline rhyolite
- Low grade metamorphic rocks – phyllite and slate- metavolcanics rocks - intermediate and basic lavas, tuffaceous slate, agglomerate, rhyolite & metasediments - black slate limestone, sandstone, siltstone and greywacke

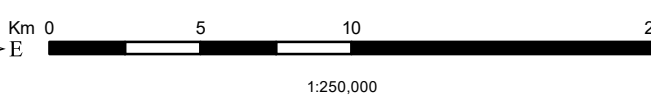
Hydrogeological Mapping for Climate Resilient Wash in Ethiopia - Lot 1

Basins Development Authority
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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