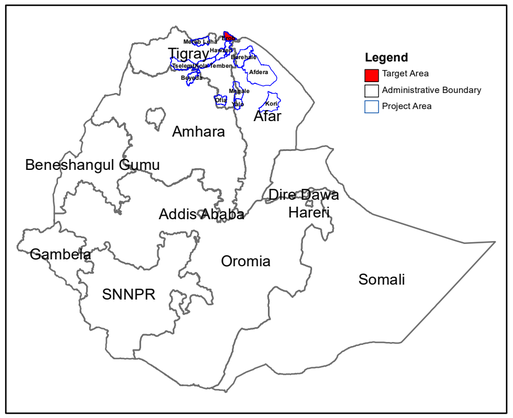
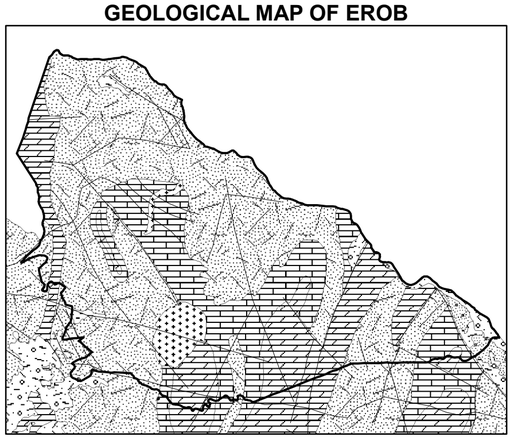
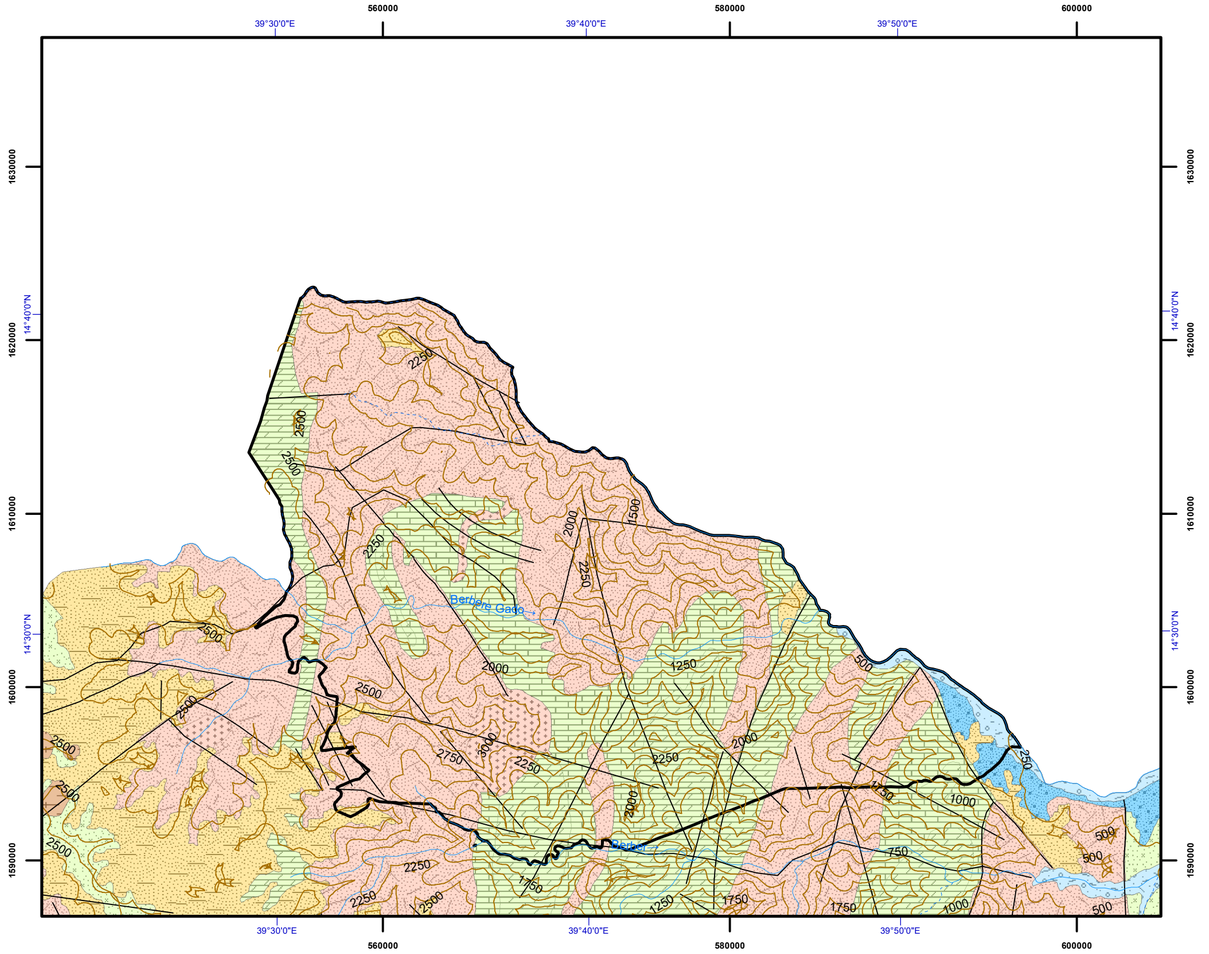
HYDROGEOLOGICAL MAP O F EROB

PROJECT AREA



GEOLOGICAL MAP OF EROB





LEGEND

Aquifer Classification

- Highly productive porous aquifers (T = 10 – 100 m2/d, q = 1 - 10 l/s.m, Q = 5 - 25 l/s for wells and/or springs) or locally extremely productive aquifers
- Moderately productive porous aquifers (T = 1 - 10 m2/d, q = 0.01 - 1 l/s.m, Q = 0.5 - 5 l/s for wells and/or springs) or local or discontinuous but highly productive aquifers
- Moderately productive fissured aquifers (T = 1 - 10 m2/d, q = 0.01 - 1 l/s.m, Q = 0.5 - 5 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 m2/d,q = 0.001 – 0.01 l/s.m, Q = 0.05 - 0.5 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
- Woreda Boundary

Lithology

- High fluvial terraces - gravel and low cemented sandstone
- Edaga Arbi Glacials/Tillite and Enticho sandstone
- Limestone, undifferentiated slates, calcareous sediments, marble and fossiliferous and sand limestone
- Dolomite interbedded with slate of Didikama Formation
- Metamorphosed carbonates
- 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

N W E S

0 5 10 20 Km

1:250,000

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

Basins Development Authority
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