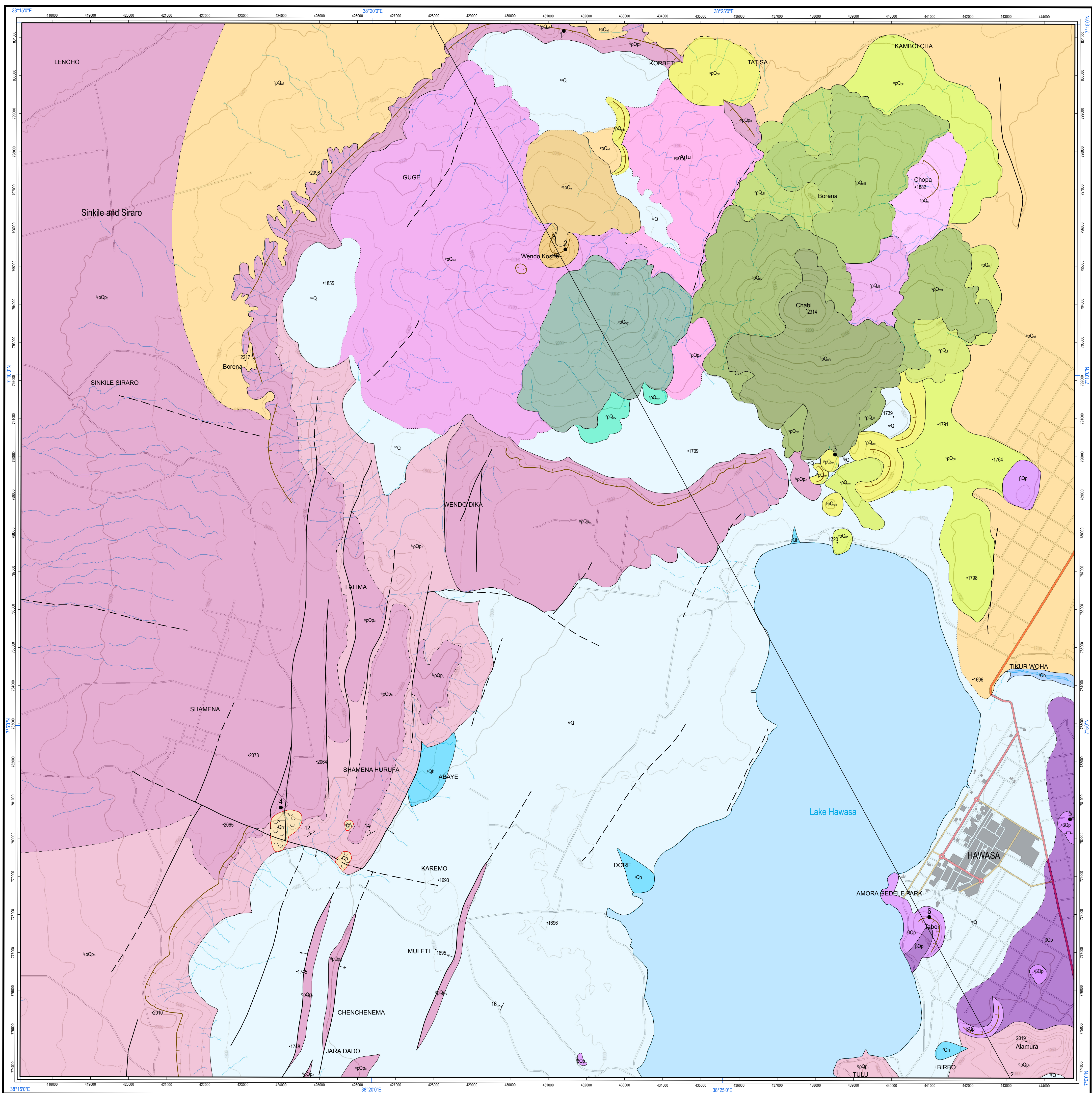


# SET OF GEOSCIENCE MAPS OF ETHIOPIA AT SCALE 1 : 50,000

## GEOLOGICAL MAP

Editor: Vladislav Rappich

Subsheet 0738-C4 Hawasa



### LEGEND

#### HOLOCENE

##### NON-VOLCANIC DEPOSITS

- 1 Fluvial sediments
- 2 Alluvial sediments
- 3 Colluvial sediments

#### MIDDLE PLEISTOCENE-HOLOCENE

##### NON-VOLCANIC DEPOSITS

- 4 Polygenetic sediments (resedimented pyroclastics, alluvial sediments, lacustrine sediments)

#### SILICIC MONOGENETIC VOLCANOES WITHIN THE CORBETTI CALDERA

- 5 monogenetic pumice cones in Corbetti caldera
- 6 monogenetic obsidian lavas in Corbetti caldera

#### CHABI VOLCANO

- 7 Chabi obsidian lava IV
- 8 Chabi obsidian lava V
- 9 Chabi obsidian lava VI
- 10 Chabi obsidian lava III
- 11 Chabi obsidian lava II
- 12 Chabi pumice cone
- 13 Chabi obsidian lava I
- 14 Chopa pumice cone
- 15 Chabi obsidian lava old

#### WENDO KOSHE VOLCANO

- 16 Wendo Koshe cone dominated by pumice
- 17 Wendo Koshe pumice flow deposits with intercalations of obsidian lava
- 18 Wendo Koshe pumice fall and minor flow deposits
- 19 Wendo Koshe obsidian lava young
- 20 Wendo Koshe pumice cone old
- 21 Wendo Koshe obsidian lava old

#### POST-CALDERA MAFIC VOLCANISM

- 22 Basaltic scoria (scoria cones)
- 23 Basaltic lapilli-stone (tuff-cone)
- 24 Hawasa basalt

#### ARTU VOLCANO

- 25 Artu pumice cone

#### MIDDLE PLEISTOCENE

##### CORBETTI CALDERA

- 26 Corbetti rhyolitic ignimbrites

#### LOWER PLEISTOCENE

##### DINO FORMATION - HAWASA CALDERA

- 27 Hawasa rhyolitic ignimbrites

#### UPPER MIOCENE - PLIOCENE

- 28 Nazret Group ignimbrites (only in geological cross-section)

- 29 Landslide
- 30 Normal fault observed
- 31 Normal fault inferred
- 32 Caldera, crater
- 33 Lithological boundary observed
- 34 Lithological boundary inferred
- 35 Lithological boundary transitional
- 36 Significant unconformity (only in lithostratigraphic scheme)
- 37 Dip-direction of the fault
- 38 Geological locality
- 39 Fumarole
- 40 Bedding
- 41 Site of quarry
- 42 Cross section line

Set of Geoscience Maps of Ethiopia at Scale 1 : 50,000  
Geological map of Hawasa subsheet  
Collaborators: T. Hiroh, K. Verner, Yewubinesh B., Daniel K., Habtamu M.  
Digital cartography: D. Čížek



1 0 1 2 3 4  
Kilometres

1 0 1 2  
Miles

1 : 50,000  
Contour interval: 50 meters

Coordinate system:  
Black numbers: UTM - zone 37 in meters  
Projection: Transverse Mercator  
Ellipsoid: Datum: Clarke 1880, Adindan

Topography derived from Ethiopia 1 : 50,000 scale maps  
Ministry of Land Reform and Administration  
(Survey and Mapping Department)

### GEOLOGICAL CROSS SECTION

