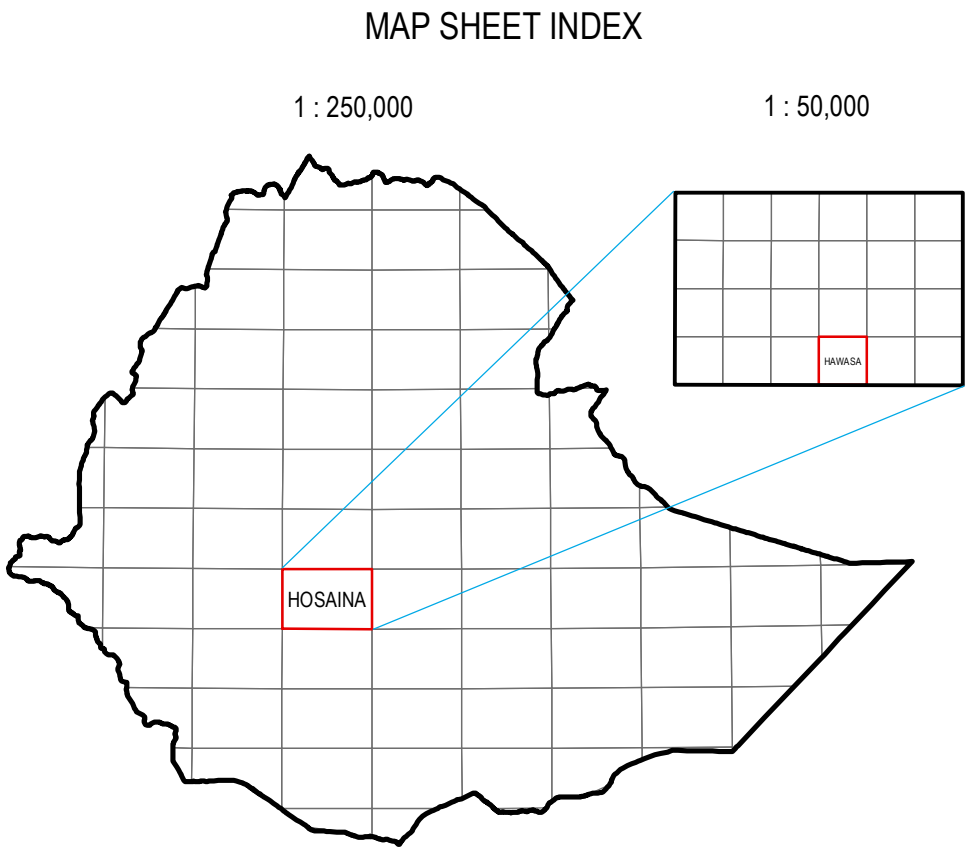
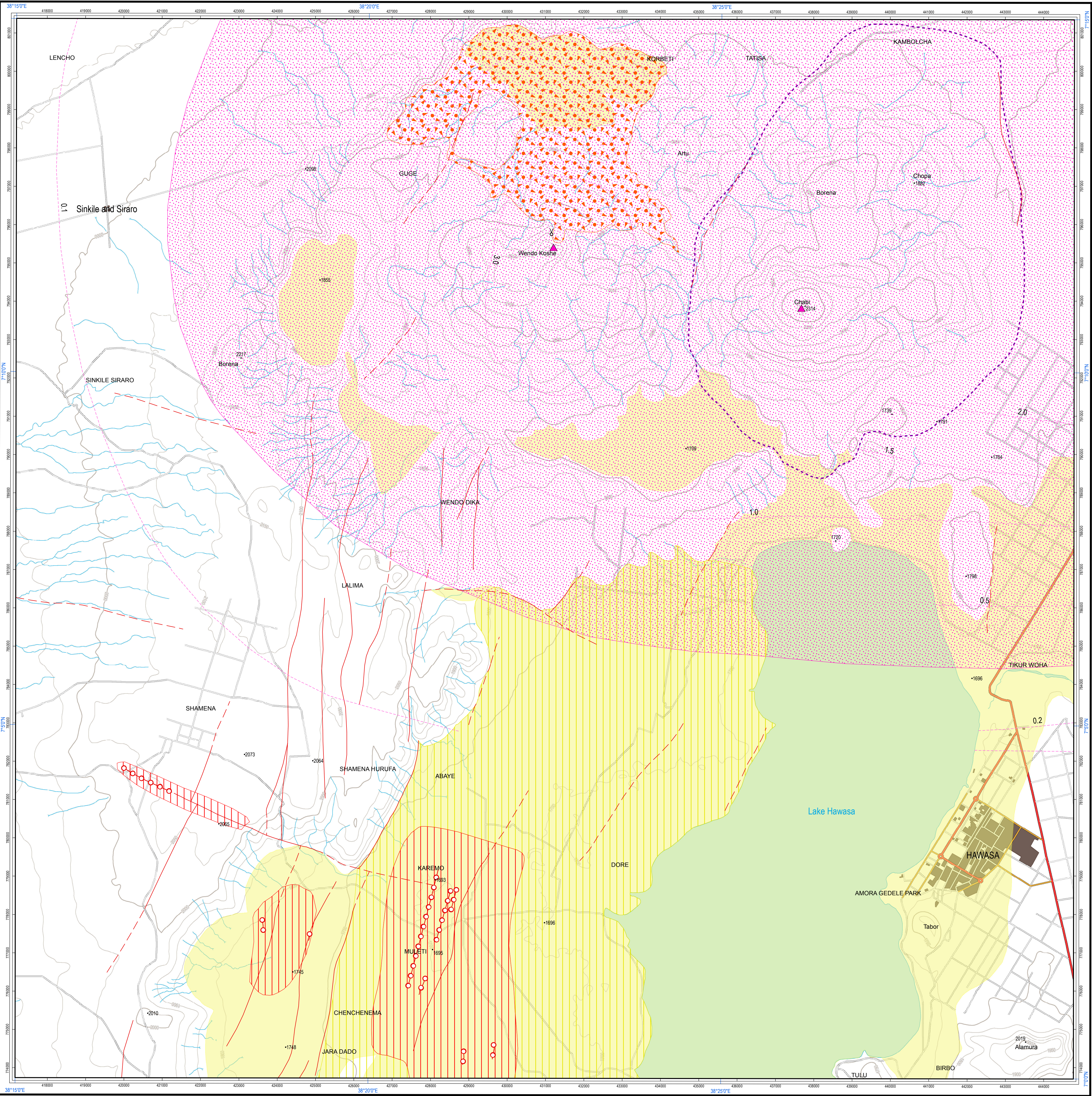


SET OF GEOSCIENCE MAPS OF ETHIOPIA AT SCALE 1 : 50,000  
ENDOGENOUS GEOHAZARDS MAP

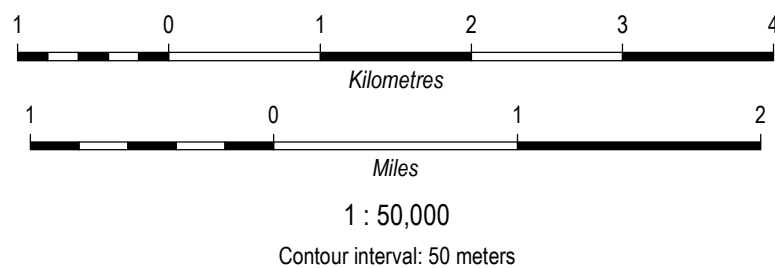
Editor: Vladislav Rapprich

Subsheet 0738-C4 Hawasa



- LEGEND**  
**SEISMIC AND TECTONIC HAZARDS**
- 1 Thick accumulations of sediments amplifying seismic effects
  - 2 Area of documented or potential occurrence of ground fissures (moderate and high)
  - 3 Observed ground fissures
  - 4 Fault evident – youngest and potentially active generation
  - 5 Fault supposed – youngest and potentially active generation
- VOLCANIC HAZARDS**
- 6 Holocene pyroclastic fall deposits more than 30 cm from single eruption (expected to represent area affected in the same extent by future eruption)
  - 7 Area endangered by pyroclastic flows
  - 8 Limit of possible extent of future lava flows
  - 9 Pyroclastic fall (and surge) isopach (thickness in m)
  - 10 Vent of Late Pleistocene–Holocene central silicic volcano
  - 11 Fumarole

Set of Geoscience Maps of Ethiopia at Scale 1 : 50,000  
Endogenous geohazards map of Hawasa subsheet  
Collaborators: J. Málek  
Digital cartography: D. Čížek



Coordinate system:  
Blue numbers: longitude & latitude  
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)