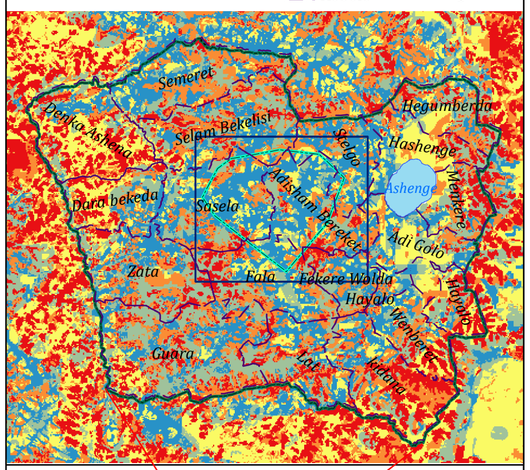
HYDROGEOLOGICAL MAP OF TARGET AREA-I WITHIN OFLA WOREDA

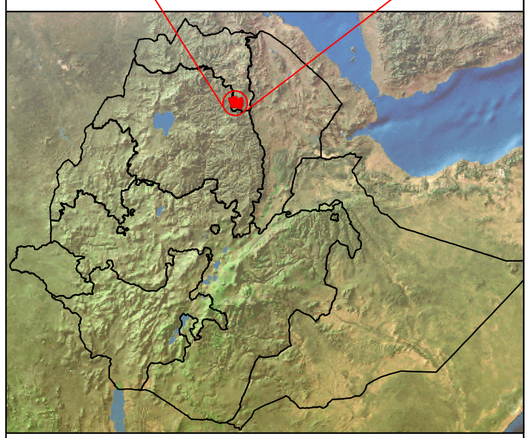
INSET MAPS

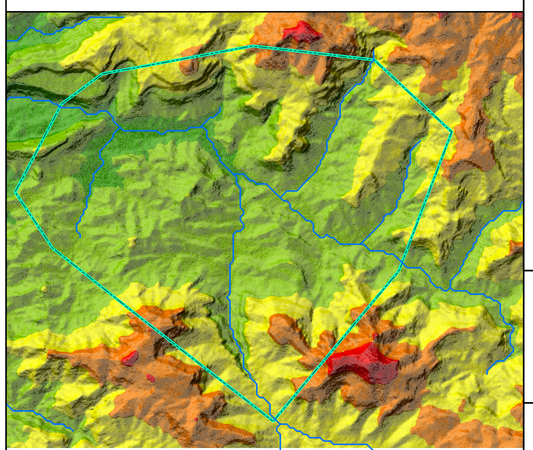
Groundwater Suitability Index

Unsuitabile | Low | High | Very Low | Moderate

Target Area-I | Mapping Area | Ofal Woreda | Kebele | Ashange Lake







Elevation (m.a.s.l.)

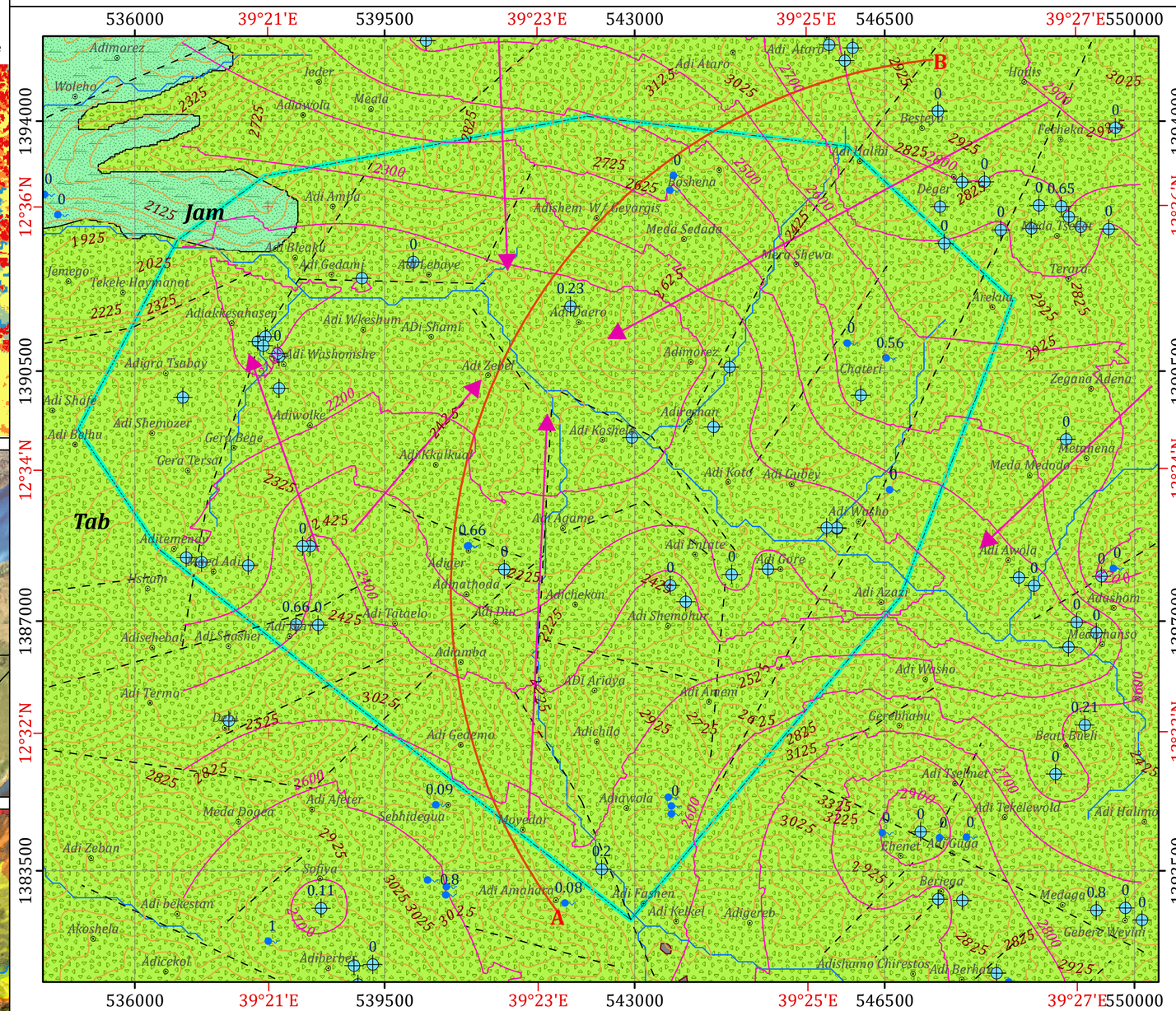
3098 - 3415 | 2464 - 2781

2781 - 3098 | 2147 - 2464

1830 - 2147

Disclaimer:

Administrative boundaries: CSA 2007
Built-up areas: Sentinel-2, Openstreetmap 2021

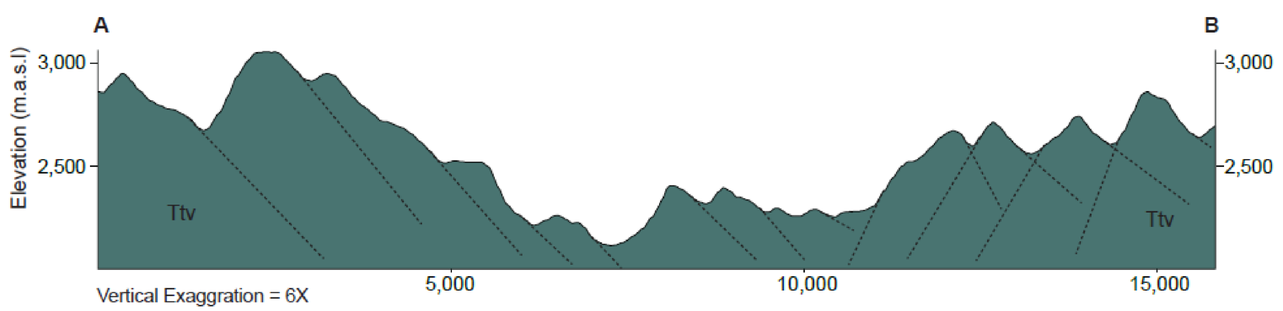


Horizontal Datum: WGS 1984
Vertical Datum: Mean sea level
Projection: Universal Transverse Mercator, Zone 37N

Scale: 1:50,000

0 2 4 6 8 Km

N W E S



Legend

AQUIFER CLASSIFICATION

Aquifer class-I: Moderately productive Porous/ fissure Aquifer (T =1-10m 2/d, Q =0.5- 5 l/s

Aquifer class-II: Moderately productive fissure Aquifer (T =1-10m 2/d, Q =0.5-5 l/s

LITHOSTRATIGRAPHIC UNITS

Tab — Ashange basalt

Jam — Ambaradom Sandstone: Clay, silt, sandstone, pebble conglomerate, and silty clay stone, laterized in places

GEOLOGICAL STRUCTURES

Lineament

OTHER SYMBOLS

Locality | Yield (l/s) Spring | Yield (l/s) Borehole

Contour Line (25 m Interval)

Drainage | Groundwater Contour

A B Cross Section Line | Flow Direction

Target Area-I | Built-up Area

HYDROGEOLOGICAL MAPPING FOR CLIMATE RESILIENT WASH IN ETHIOPIA - LOT-1

UKaid from the British people

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ACACIA WATER

aquacon

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February, 2022