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Geomorphological map of the NW Coast of the Island of Malta (Mediterranean Sea) / Devoto, Stefano; Biolchi, Sara; Bruschi, VIOLA MARIA; Furlani, S.; Mantovani, M.; Piacentini, Daniela; Pasuto, A.; Soldati, Mauro. - In: JOURNAL OF MAPS. - ISSN 1744-5647. - STAMPA. - 8(1):(2012), pp. 33-40. [10.1080/17445647.2012.668425]

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20/04/2024 15:41

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Geomorphological map of the NW coast of the Island of Malta (Mediterranean Sea)

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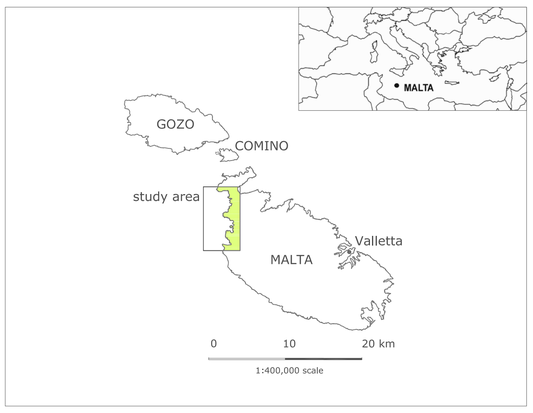
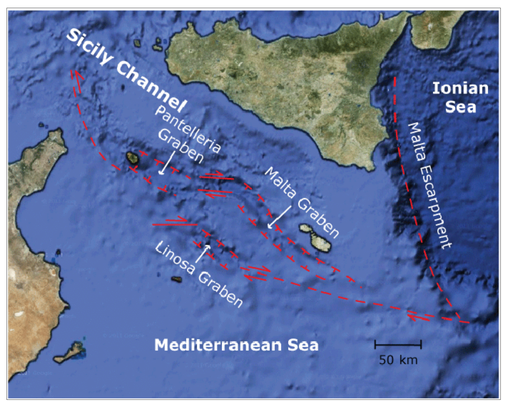
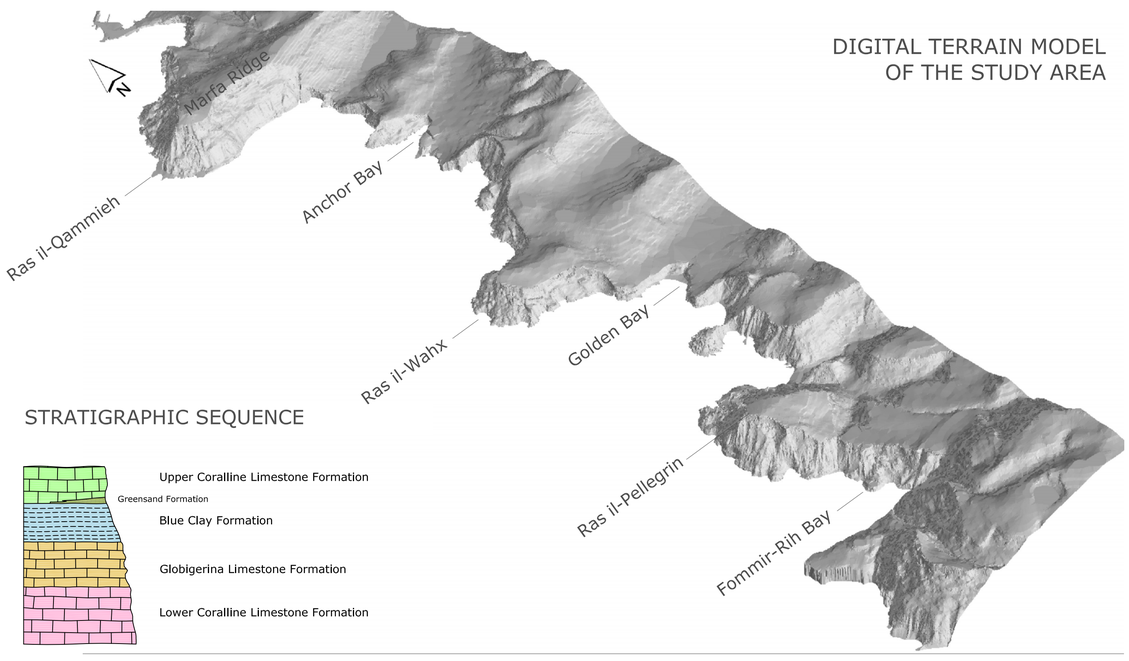
5) Consiglio Nazionale delle Ricerche, Istituto di Ricerca per la Protezione Idrogeologica, Padova, Italy

STRUCTURAL SETTING



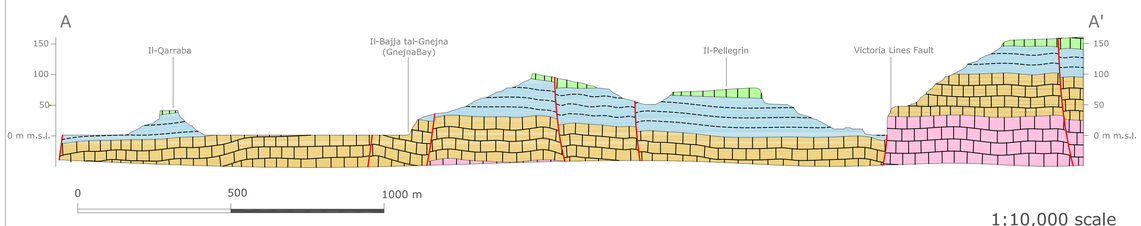


DIGITAL TERRAIN MODEL OF THE STUDY AREA



STRATIGRAPHIC SEQUENCE

GEOLOGICAL CROSS SECTION AA'



1:10,000 scale

LEGEND

GEOLOGICAL FORMATIONS

- Upper Coralline Limestone Formation (a: Greensand Formation) — Late Tortonian - Early Messinian
- Blue Clay Formation — Langhian - Tortonian
- Globigerina Limestone Formation — Aquitanian - Early Langhian
- Lower Coralline Limestone Formation — Chattian

TECTONIC ELEMENTS

- Normal fault — a) certain; b) assumed or buried
- Undetermined fault — a) certain; b) assumed or buried
- Syncline axis
- Attitude of strata
- Geological section

STRUCTURAL LANDFORMS

Active / Inactive

- Edge of structural scarp
- Edge of structural scarp remodelled by gravitational and/or degradation processes
- Edge of structural scarp remodelled by marine processes

GRAVITY INDUCED SLOPE LANDFORMS

Active / Inactive

- Edge of landslide scarp
- Area affected by rock spreading
- Landslide due to rock fall
- Landslide due to rock block slide
- Landslide due to earth flow and/or earth slide
- Deeply jointed and displaced rock masses
- Solifluction
- Unmappable landslide

FLUVIAL AND SLOPE LANDFORMS DUE TO RUNNING WATERS

Active / Inactive

- Gully
- Edge of fluvial scarp
- Alluvial deposit
- Alluvial fan
- Colluvial deposit
- V-shaped valley

COASTAL LANDFORMS

- Edge of cliff
- Sea cave
- Shore platform
- Mixed grain-size beach
- Sandy beach
- Bathymetric contours (m)

KARST LANDFORMS

- Sinkhole
- Cave

MAN-MADE LANDFORMS

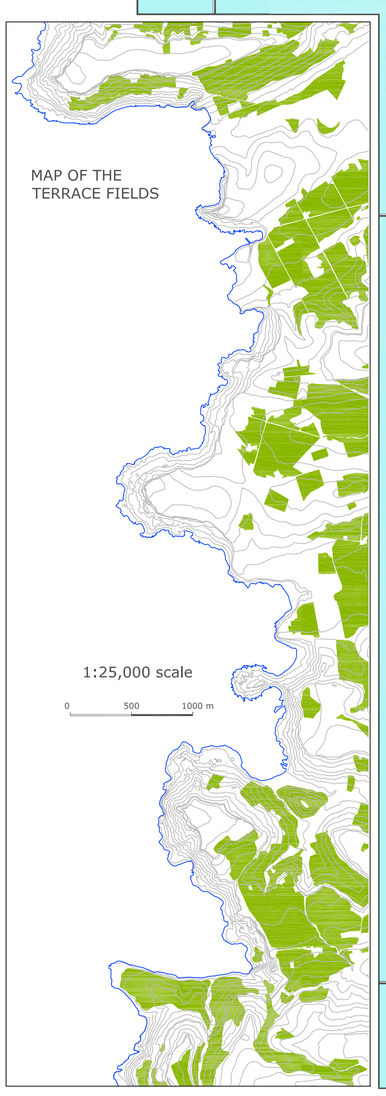
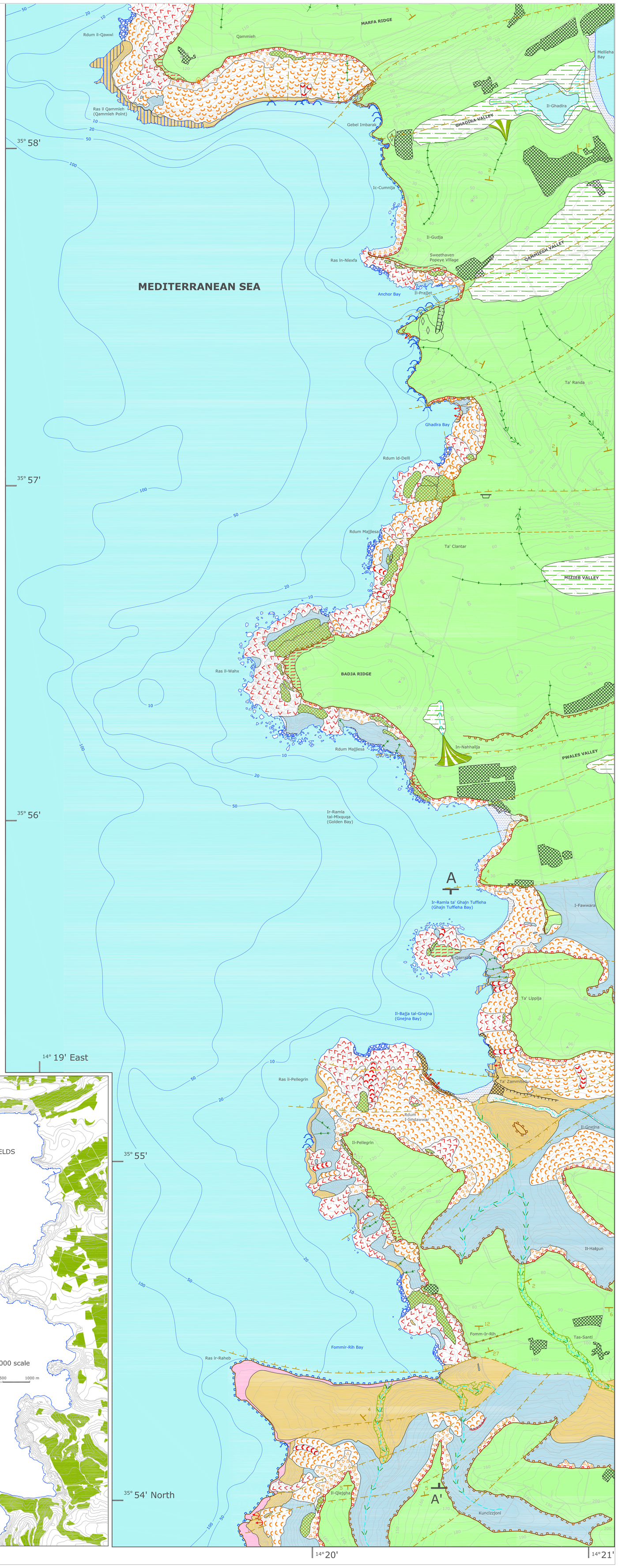
- Edge of artificial scarp
- Quarry
- Dumping site
- Leveled and/or cemented area

HYDROGRAPHY

- Temporary stream
- Lake
- Wetland

0 500 1000 m

1:7500 scale

Geographical Coordinates
Projection: Transverse Mercator
Grid Datum: WGS 84
UTM Zone: 33 S

Topographic data derived from MEPA maps at: 1:2500 scale
Contours interpolated from MEPA maps and shown at 5m vertical intervals
Bathymetric data derived from the Nautical Chart of Ghawdex (Gozo), Kemmuna (Comino) and the Northern part of Malta, scale 1:50,000