

Morphoneotectonic and lithological map of the eastern sector of the Gulf of Trieste (NE ITALY)

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GEOGRAPHICAL SETTING



Geological Units

- Flysch Lutetian p.p.
- Transitional Beds Lutetian p.p.
- Alveolinid-Nummulitid Limestone upper Thanetian-lower-middle Eocene
- Liburnia Formation b Danian-Thanetian p.p.
- Liburnia Formation a upper Campanian p.p. - upper Maastrichtian
- Aurisina Limestone upper Turonian-Campanian
- Zolla Limestone upper Cenomanian-Turonian
- Monrupino Formation middle-upper Cenomanian

Marine sediments

- pelite
- sandy pelite
- very sandy pelite
- pelitic sand
- sand

Structural elements and landforms

- fault a) buried
- normal fault a) buried*
- inverse fault a) buried**
- thrust a) buried uncertain b) buried certain**
- right-lateral strike slip fault a) buried
- left-lateral strike slip fault a) buried

- master joint
- edge of structural scarp*
- attitude of bedding

Coastal landforms and deposits

- edge of cliff
- marine cave
- tidal notch
- pocket beach

Geomorphological classification of the coastline

- plunging cliff
- sloping coast
- shore platform
- scree
- built-up
- pocket beach
- low-lying coast

Gravity-induced landforms and deposits

- talus deposit
- area affected by landslide
- edge of landslide scarp*
- unmappable landslide

Karst landforms

- doline > 100 m diameter
- doline < 100 m diameter
- cave
- subaerial notch

Fluvial landforms and deposits

- quaternary alluvial deposits
- edge of fluvial scarp*

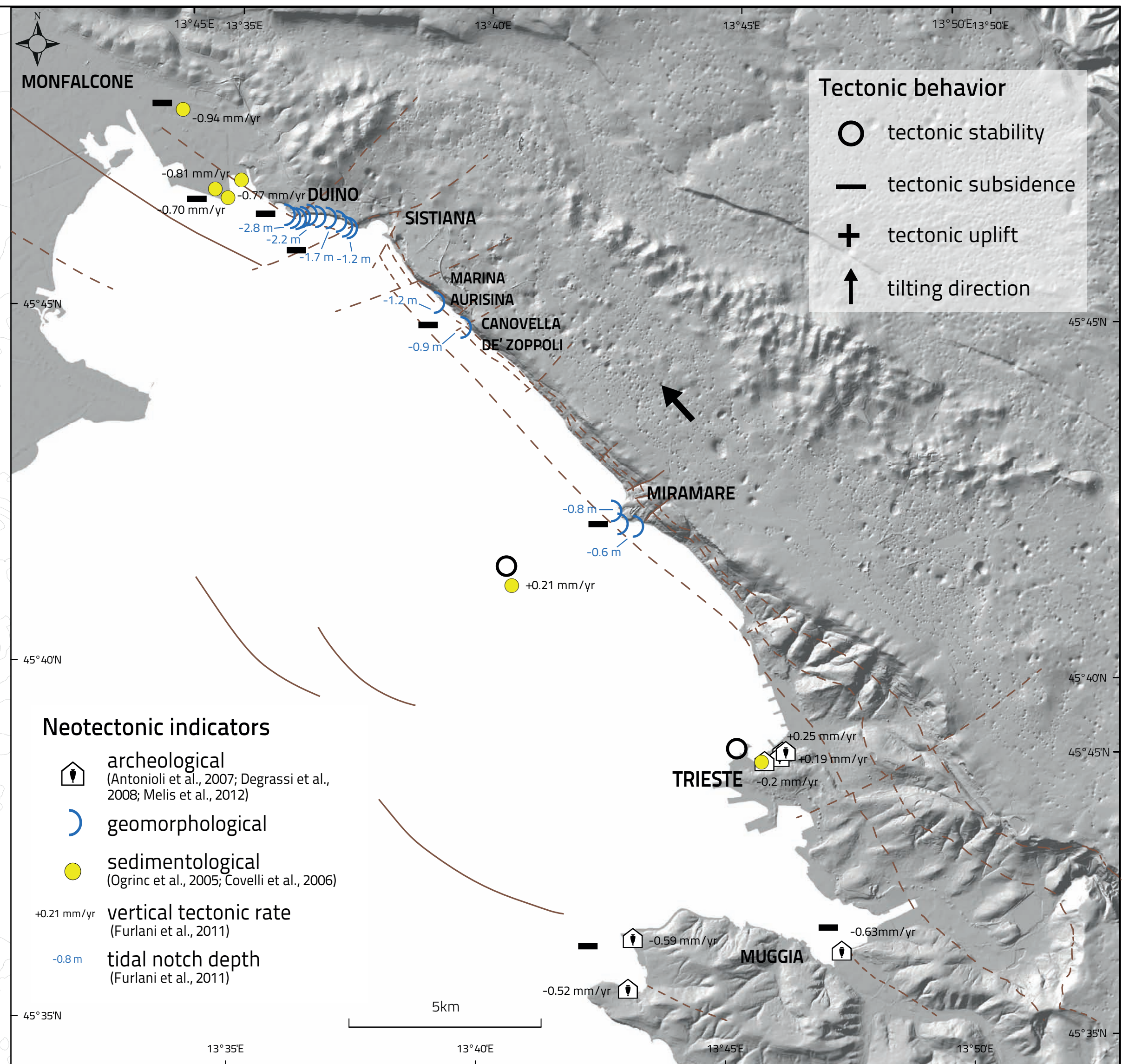
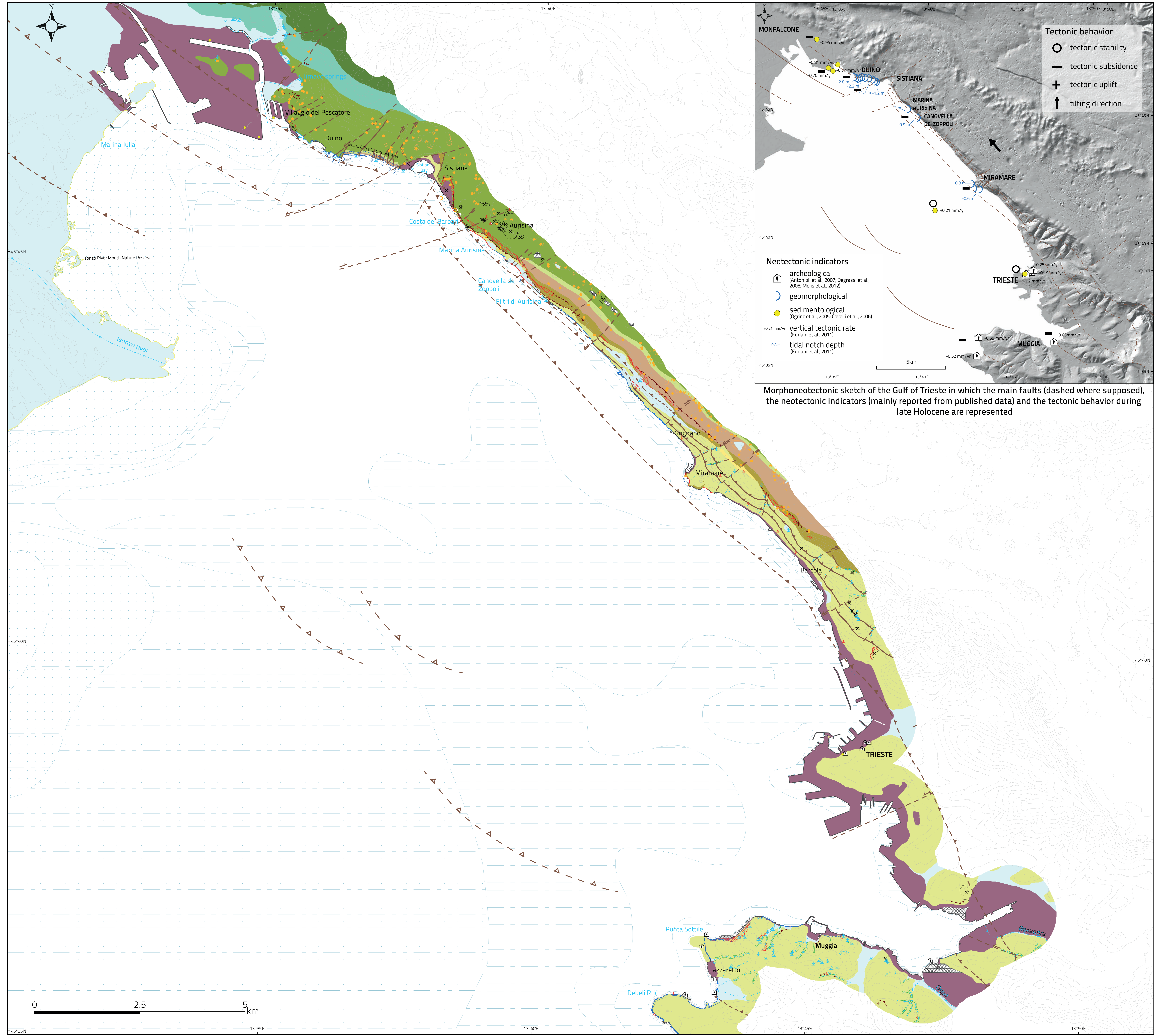
Hydrography

- spring
- main stream
- ephemeral stream

Anthropogenic landforms and deposits

- landfill
- dumping site
- quarry
- archaeological remain

Projection: TRANSVERSE MERCATOR
DATUM: D_WGS_1984
1:30,000
printed size



Morphoneotectonic sketch of the Gulf of Trieste in which the main faults (dashed where supposed), the neotectonic indicators (mainly reported from published data) and the tectonic behavior during late Holocene are represented

*Dashes, triangles and squares are facing the lowered part
**Dashes, triangles and squares are facing the hangingwall