

# Geomorphological evidences of debris flows and landslides in Pescara del Tronto area (Sibillini Mts, Marche Region, Central Italy)

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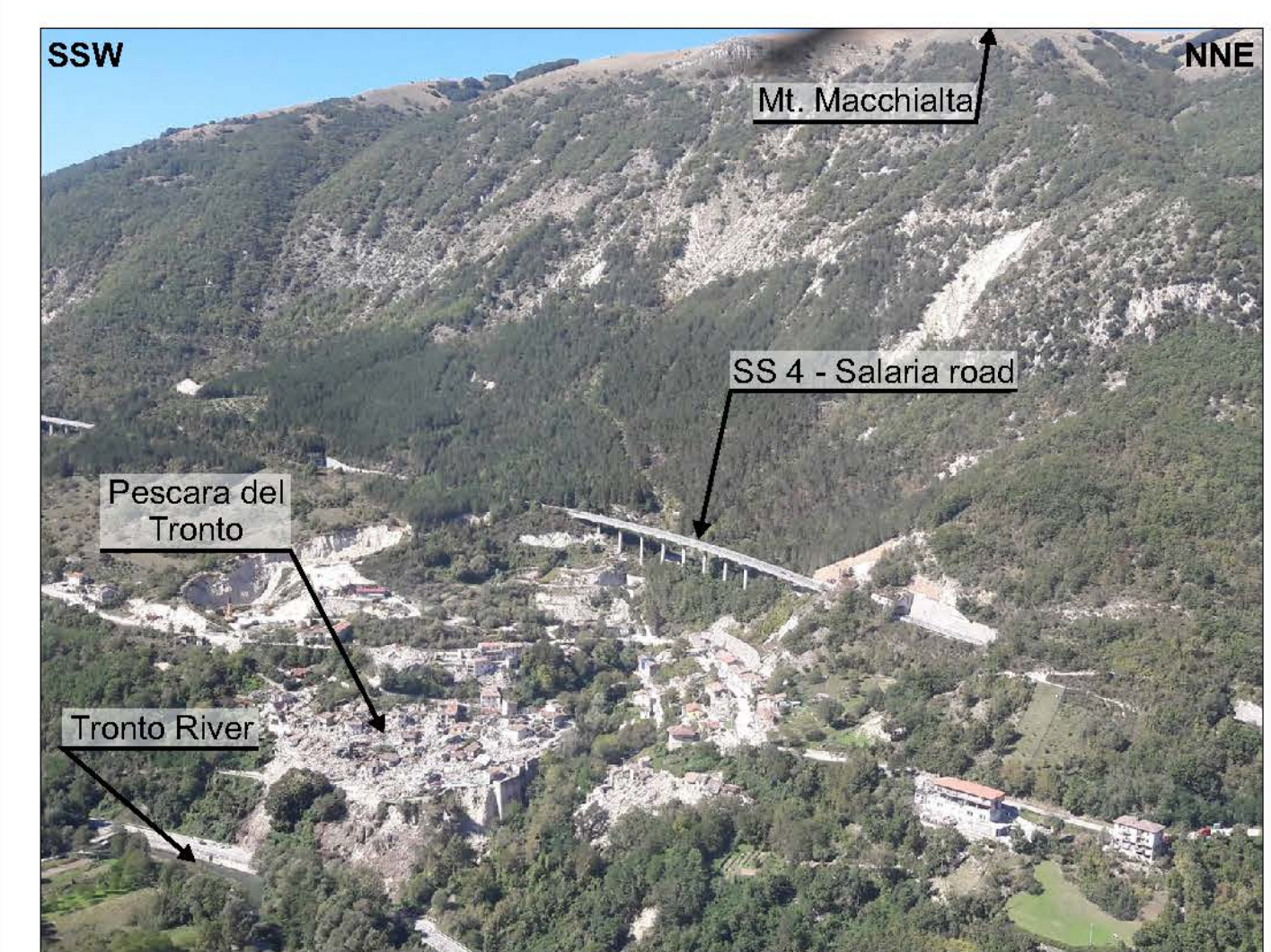
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## LOCATION MAP AND LITHOLOGICAL SCHEME OF MARCHE REGION

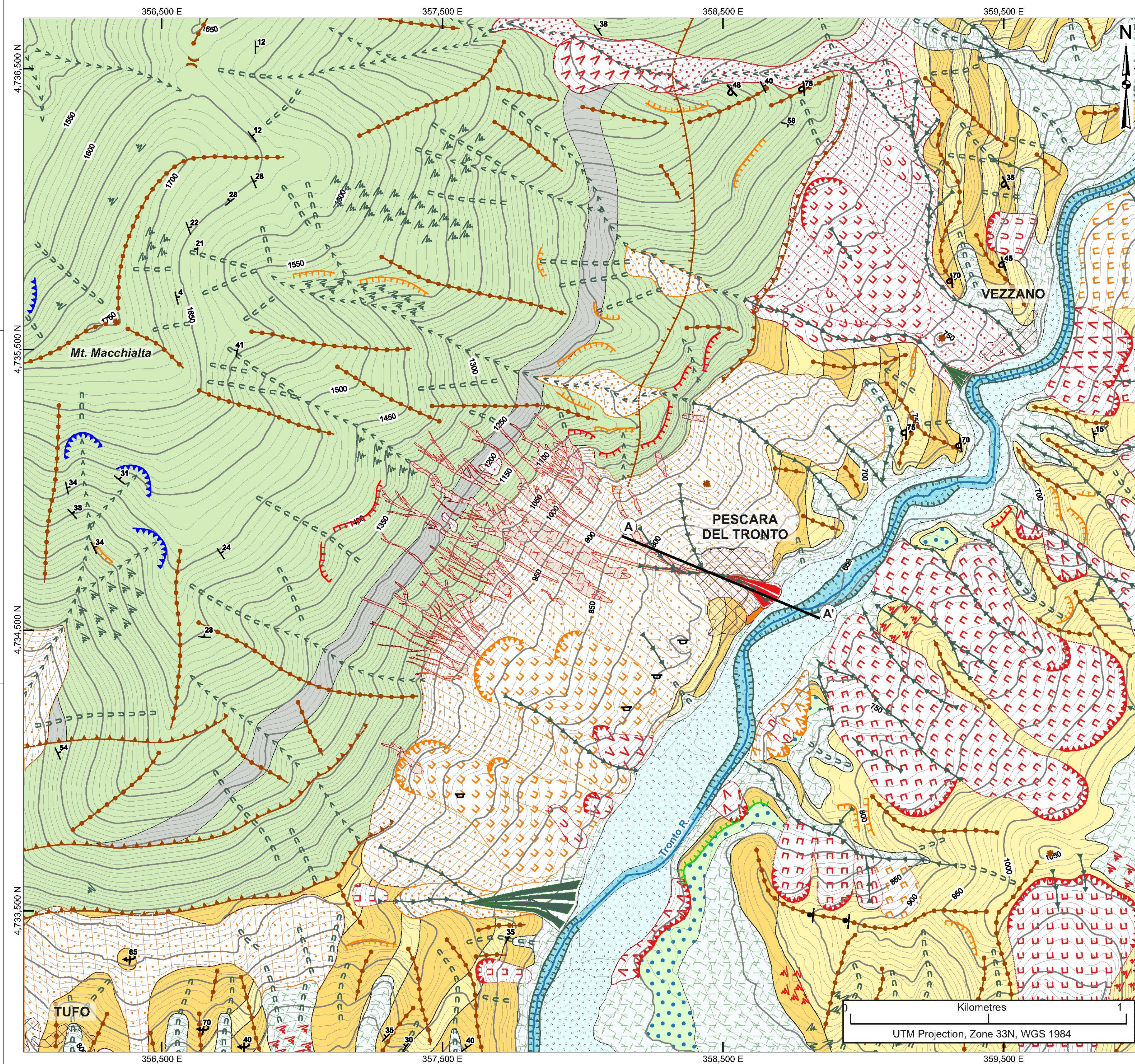


## PANORAMIC VIEW OF PESCARA DEL TRONTO AREA



Panoramic view of the southeastern slope of Mt. Macchialta, above the Pescara del Tronto urban area. Geomorphological evidence of debris flows and recent instability phenomena in the upper- and mid-slope. The total collapse of the built-up area of Pescara del Tronto testifies the severity of the 2016-2017 seismic sequence

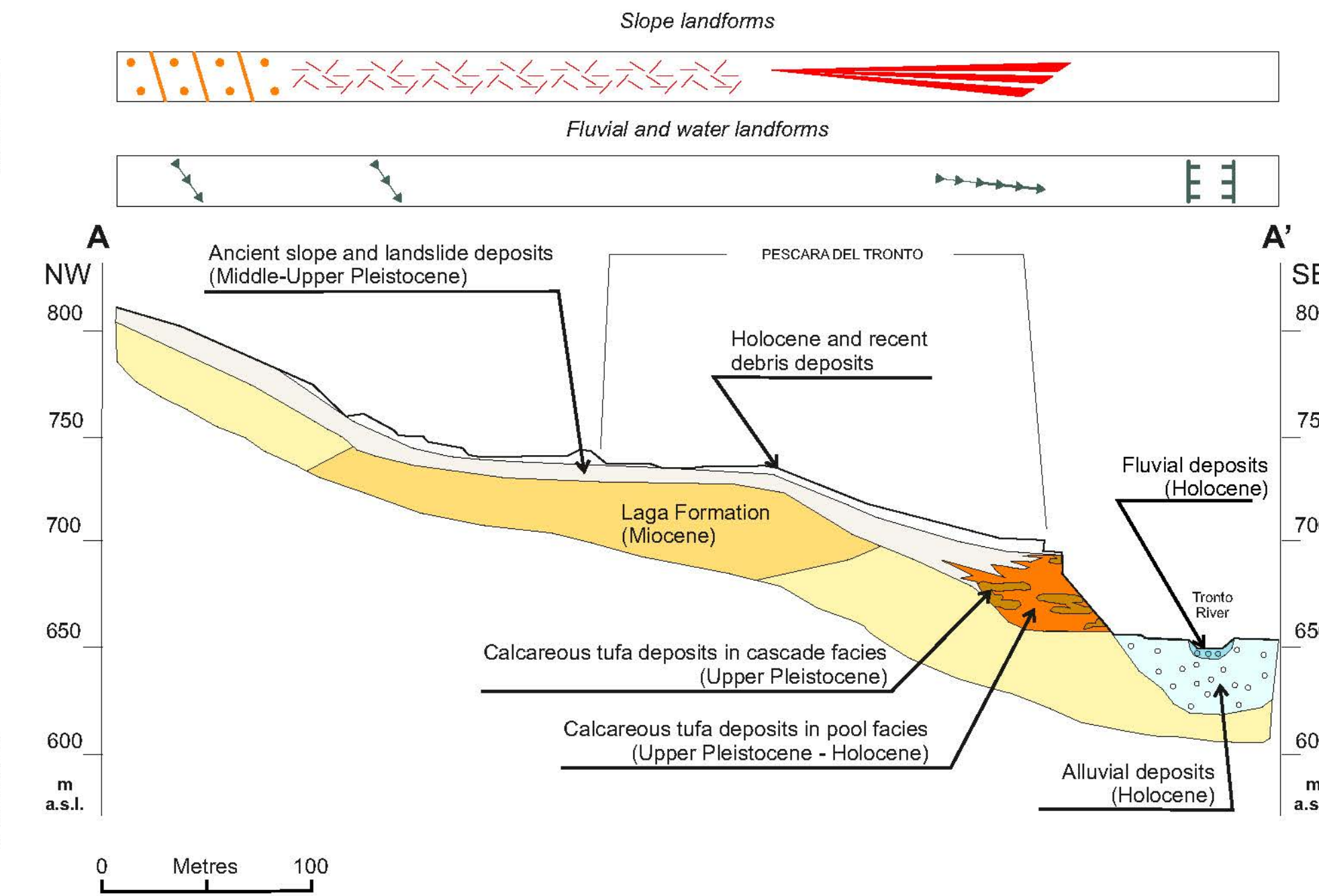
## GEOMORPHOLOGICAL MAP



## LEGEND

Structural and tectonic landforms		Fluvial and water landforms	
Ridge		Fluvial erosion scarp	
Saddle		Gully erosion	
Isolated relief		V-shaped valley	
Normal fault (dashed if buried)		Concave valley	
Thrust (dashed if buried)		Widespread runoff area	
Slope landforms		Periglacial landforms	
Landslide main scarp		Nivation hollow	
Earth flow		Anthropic landforms	
Slide		Quarry	
Complex landslide		Calcareous bedrock	
Debris flow		Calcareous and marly-calcareous rocks	
Slope deposit		Calcareous rocks	
Scree slope and landslide accumulation		Cross section trace	
Debris cone		Urban area	
Creep or solifluction		Tronto River	
Erosional scarp			
Bedrock lithology			
Siliciclastic turbiditic bedrock			
Mainly arenaceous deposits			
Arenaceous-pelitic and pelitic-arenaceous deposits			
Symboly			
Bedding attitude			
Attitude of overturned strata			
Attitude of vertical strata			

## GEOLOGICAL-GEOMORPHOLOGICAL CROSS-SECTION



## ACKNOWLEDGEMENT

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