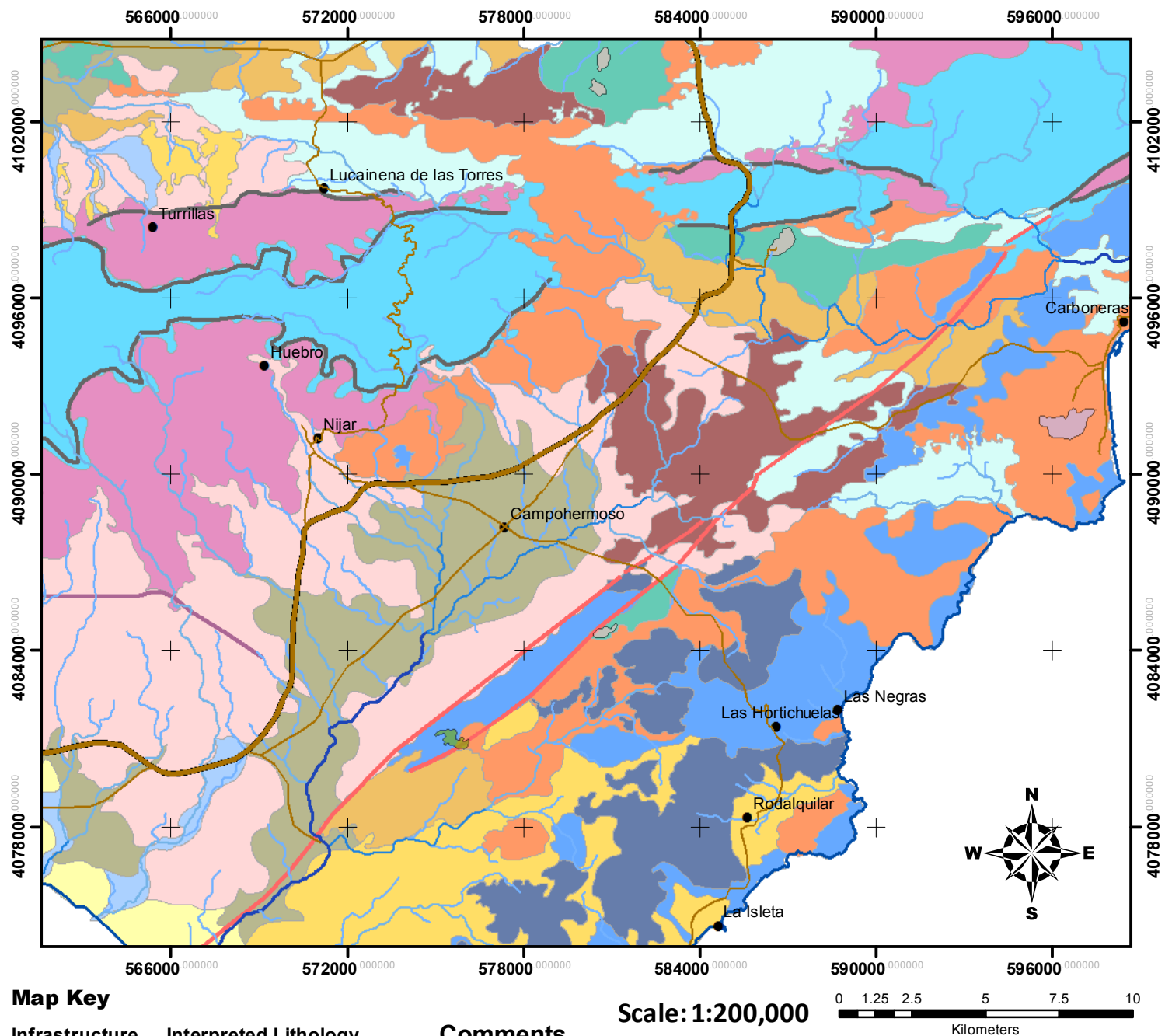
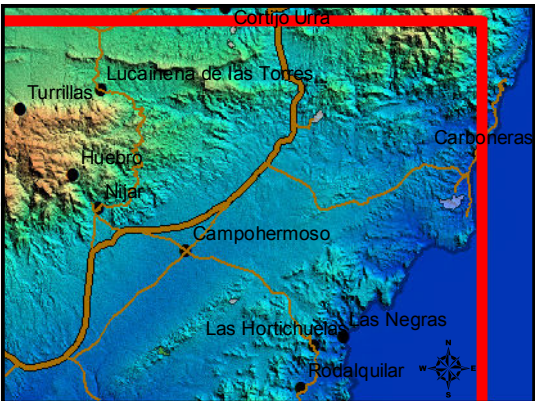


Geological Interpretation of South East Spain using Landsat 7 ETM+ Image



Comments

- 574000 4090000, There is a circular dacite unit within a limestone unit. It is produced from a volcano.
- 567000 4100000 According to LandSat7 321-RGB and 531-RGB images, I decided the unit (yellow) is iron oxide alluvium. However, it shares many similarities with Pleistocene alluvial fans and it may be a mixture of both.
- 587000 4093000 The light brown unit in 531-RGB image can be other carbonates. However, due to its similarities with marl and the idea that erosion caused other rocks covering it, I interpreted it as marl.



DEM (Digital Elevation Model) shows the topography of Almeria province, southeast Spain. The red rectangle encloses the mapping area.

- 571000 4099000 I interpreted the boundary between dolomites/phyllites unit and marl unit as a fault boundary because of field observation at Lucainena de las Torres.
- 584000 4090000 I distinguished the calcarenite unit from limestone unit due to the appearance of brown colour in 531-RGB image. However, it may be a mixture of conglomerate, limestone and calcarenite.
- 575000 4102000 There seems to be three lithologies--limestone, calcarenite and marl. There is uncertainty of the boundary between each of them.
- 575000 4079000 From 531-RGB image, The area has conglomerate, limestone and gypsum units. However, since conglomerates is the major unit. I interpreted it as conglomerate.

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