Orduña

ID #013

SUMARIZED INDEX CARD

Downloaded from Iberian Evaporite Structure DataBase

GENERAL INFORMATION

Structure type	Evaporite Diapir
Deformed/Undeformed	Deformed
Geological Setting	Basque-Cantabrian Basin, Navarra-Álava trough
Outcropping/buried	Outcropping
Evaporite unit/s name	Keuper facies
Evaporite unit/s age	Carnian-Rhaetian (Upper Triassic)
Evaporite unit/s origin	Marine
Classif. (Hudec and Jackson, 2009)	Passive piercement
Classif. (Jackson and Talbot, 1986)	Salt stock
Other comments	Northwest-southeast alignment (Las Losas fault; Martín-Chivelet et al., 2002) of the Murguía, Orduña, and Villasana de Mena diapirs.

STRATIGRAPHY AND STRUCTURE

Evaporite unit/s composition	Halite-Anhydrite-Dolostones-Dolerites
Post-evaporite and pre-kinematic unit/s	Berriasian (Walden facies) to Upper Cretaceous (Rhythmic Series, Gárate limestones, Zuazo Marls, Subijana limestones)
Syn-kinematic unit/s	nd
Post-kinematic unit/s (or post-evaporite desposition when undeformed)	Campanian-Palaeocene and Quaternary
Age of evaporite flow or deformation (when deformed)	Lower Cretaceous, Paleocene-Eocene, Upper Cretaceous
Flow or deforming triggering mechanisms	Mesozoic extensional regime (early stage) and Alpine compression (main stage)
Halokinetic structures	Syncline-Anticline folding / Normal Faults / Reverse faults

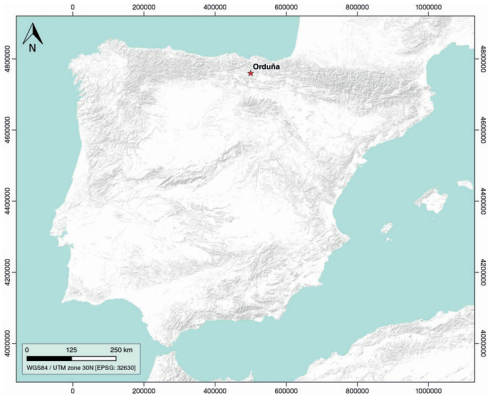
SUB-SURFACE DATA AVAILABILITY

Available borehole data	Yes
Available seismic data	Yes

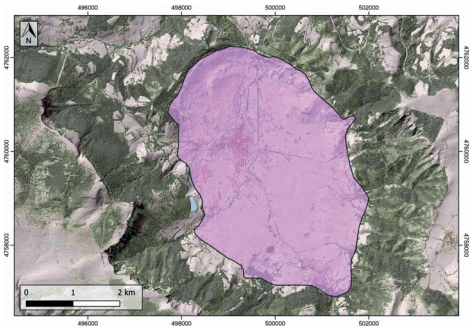
MAIN REFERENCES

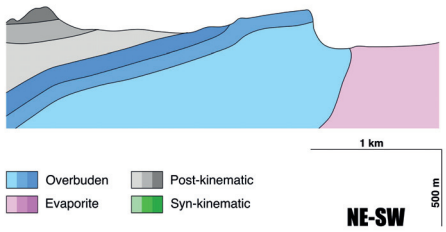
Stratigraphy	Perona (2016)
Regional Stratigraphy	Pedrera et al. (2017)
Structure	Perona et al. (2018)
Regional Structure	Cámara (2017)
Gravimetry	Nettleton (1968)
Petrophysics/Paleomagnetics	Llamas et al. (2017)

LOCATION

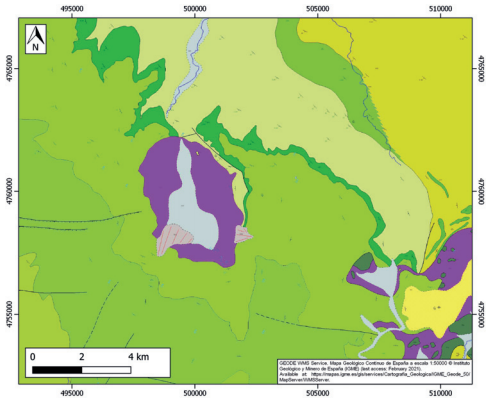


SHAPE AND SUB-SURFACE STRUCTURE





GEOLOGY (GEODE IGME)



IBERIAN EVAPORITE STRUCTURE DATABASE

More information about this and other structures is available in https://iesdb.eu
Full dataset is available in https://doi.org/10.20350/digitalCSIC/14586