

Navarrés

ID #050

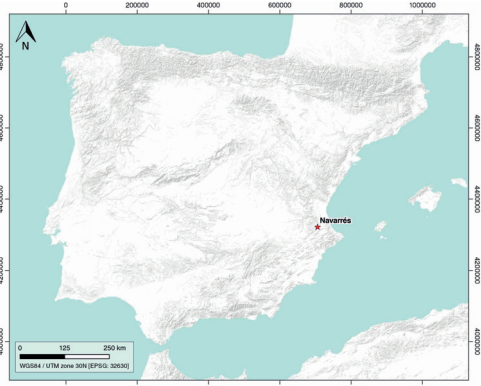
SUMARIZED INDEX CARD

Downloaded from Iberian Evaporite Structure DataBase

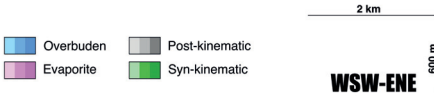
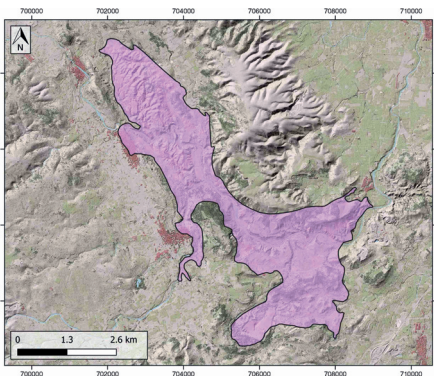
GENERAL INFORMATION

Structure type	Evaporite Diapir
Deformed/Undeformed	Deformed
Geological Setting	Betic system, Pre-Betic cordillera
Outcropping/buried	Outcropping
Evaporite unit/s name	Jarafuel, Manuel, Cofrentes, Quesa, Ayora and Imón Fms.
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 wall
Other comments	Bicorp-Quesa, Navarrés and Sellent segments constitute a continuous kinked salt wall. Their development was preceded by contractional deformation that folded and thrustured the Middle-Upper Triassic successions. Quaternary diapirism in the region is enhanced by erosional unloading.

LOCATION



SHAPE AND SUB-SURFACE STRUCTURE



STRATIGRAPHY AND STRUCTURE

Evaporite unit/s composition	Gypsum-Mudstone-Dolostone-Sandstone
Post-evaporite and pre-kinematic unit/s	Jurassic (anhydrite, calcarenite, dolostones, marly limestones) ; Early Cretaceous (sandstones, dolostones, calcarenites) ; Late Cretaceous (sandstones, dolostones, marly dolostones, limestones)
Syn-kinematic unit/s	Miocene (red and grey mudstones, sandstones, limestones, conglomerates), Quaternary (fluvial and alluvial deposits)
Post-kinematic unit/s (or post-evaporite desposition when undeformed)	Quaternary (alluvial and colluvial detrital deposits)
Age of evaporite flow or deformation (when deformed)	Lower-Middle Pleistocene, Miocene
Flow or deforming triggering mechanisms	Late Miocene thin-skinned extensional fault system
Halokinetic structures	Normal high-angle faults / thickness variations / joints / progressive unconformities

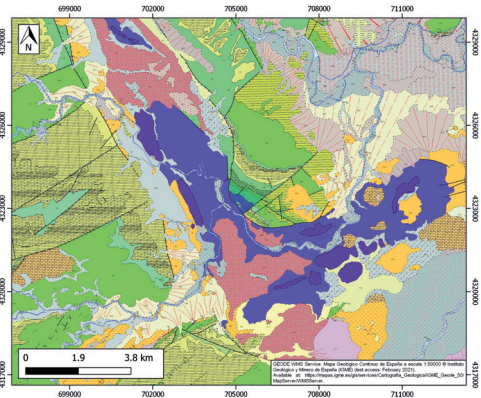
SUB-SURFACE DATA AVAILABILITY

Available borehole data	Yes
Available seismic data	No

MAIN REFERENCES

Stratigraphy	Gutiérrez et al. (2019)
Regional Stratigraphy	Rubinat-Cabanas (2012)
Structure	Roca et al. (2013)
Regional Structure	Soto et al. (2014)
Gravimetry	Castaño-Fernández and Carbó (1995)
Petrophysics/Paleomagnetism	Roca et al. (2013)

GEOLOGY (GEODE IGME)



IBERIAN
EVAPORITE
STRUCTURE
DATABASE