

El Saucejo-Campillos

ID #115

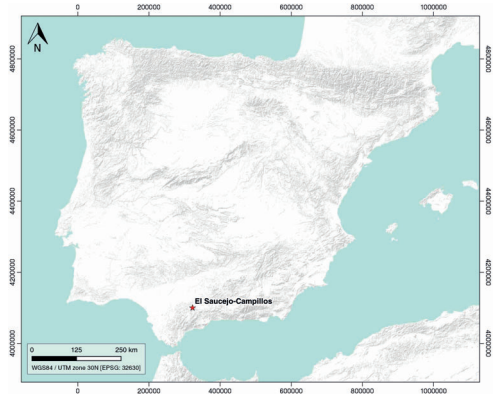
SUMARIZED INDEX CARD

Downloaded from Iberian Evaporite Structure DataBase

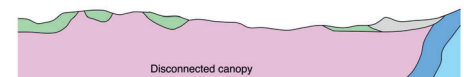
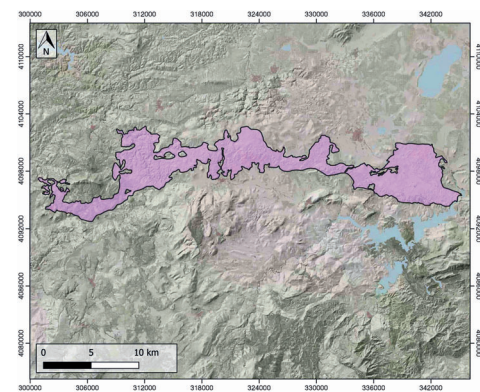
GENERAL INFORMATION

Structure type	Allochthonous evaporite body
Deformed/Undeformed	Deformed
Geological Setting	Betic system, Sub-Betic cordillera
Outcropping/buried	Outcropping
Evaporite unit/s name	Carcelén Anhydrite, Keuper facies
Evaporite unit/s age	Hettangian (Lower Jurassic), Carnian-Rhaetian (Upper Triassic)
Evaporite unit/s origin	Marine
Classif. (Hudec and Jackson, 2009)	Passive piercement
Classif. (Jackson and Talbot, 1986)	Detached diapir
Other comments	Complex tectonic evolution: (1) extensional regime, diapirs pierce the overlying sediments and the salt spreads parallel to the strata forming tongues, (2) compression, tongues are disconnected from the salt feeder constituting allochthonous sheets, (3) allochthonous sheets flow (see Flinch and Soto, 2017).

LOCATION



SHAPE AND SUB-SURFACE STRUCTURE



STRATIGRAPHY AND STRUCTURE

Evaporite unit/s composition	Shale-Gypsum-Sandstone-Halite-Anhydrite
Post-evaporite and pre-kinematic unit/s	Lower Jurassic (dolostones and marly limestones) ; Middle Jurassic (marlstones and marly limestones) ; Upper Jurassic (marly limestones and nodular limestones) ; Lower Cretaceous (limestones, marly limestones and marlstones)
Syn-kinematic unit/s	Upper Cretaceous (marlstones, marly limestones and marly shales) ; Oligocene-Miocene (turbiditic limestones and limestones)
Post-kinematic unit/s (or post-evaporite deposition when undeformed)	Burdigalian ; Tortonian-Messinian ; Pliocene ; Quaternary
Age of evaporite flow or deformation (when deformed)	Miocene, Oligocene to Miocene, Upper Cretaceous
Flow or deforming triggering mechanisms	Margin extension ; Alpine compression ; Piggyback development
Halokinetic structures	Thickness variations / progressive unconformities / thrust faults / overturned flanks / roll-over anticlines / mini-basin development

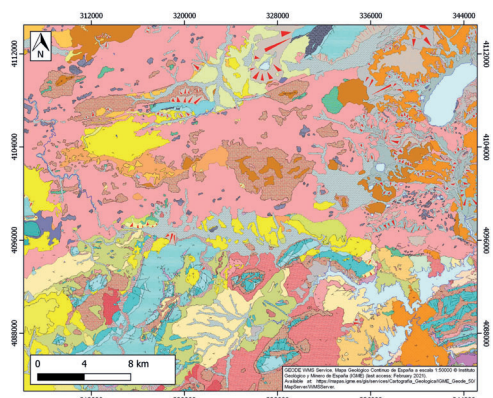
SUB-SURFACE DATA AVAILABILITY

Available borehole data	Yes
Available seismic data	Yes

MAIN REFERENCES

Stratigraphy	Flinch and Soto (2017)
Regional Stratigraphy	Daudet et al. (2020)
Structure	Flinch and Soto (2017)
Regional Structure	Pérez-López and Sanz de Galdeano (1994)
Gravimetry	Ayala et al. (2016)
Petrophysics/Paleomagnetism	nd

GEOLOGY (GEODE IGME)



IBERIAN
EVAPORITE
STRUCTURE
DATABASE