

# Bentué de Rasal

ID #059

SUMARIZED INDEX CARD  
Downloaded from Iberian Evaporite Structure DataBase

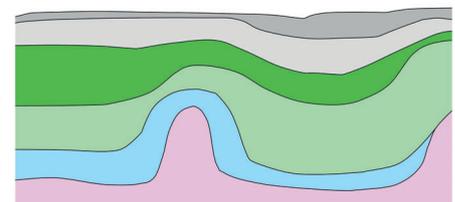
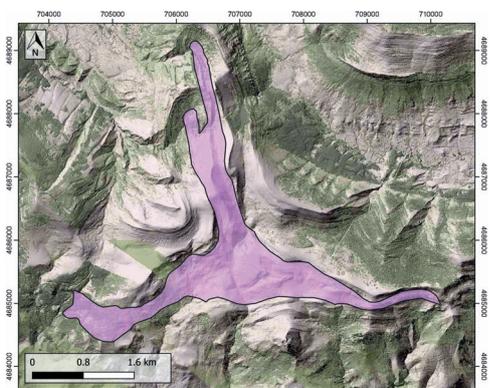
## GENERAL INFORMATION

Structure type	Evaporite-cored anticline
Deformed/Undeformed	Deformed
Geological Setting	Southern Pyrenees, External Ranges
Outcropping/buried	Outcropping
Evaporite unit/s name	El Pont de Suert Fm.
Evaporite unit/s age	Upper Anisian and Carnian-Rhaetian (Middle-Upper Triassic)
Evaporite unit/s origin	Marine
Classif. (Hudec and Jackson, 2009)	Thrust piercement
Classif. (Jackson and Talbot, 1986)	Salt anticline
Other comments	Structural and stratigraphic origin related to the Guarga thrust. Central External Sierras show a set of N-S to NW-SE anticlines, perpendicular to the structural trend of the Pyrenees, that become younger and smaller westwards (Pico del Águila, Bentué de Rasal, Gabardiella, Rasal; see i.e. Vidal-Royo, et al., 2013)

## LOCATION



## SHAPE AND SUB-SURFACE STRUCTURE



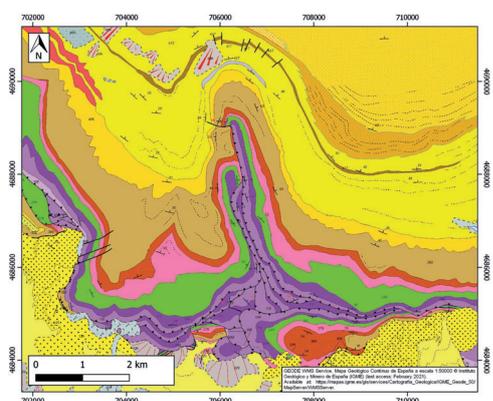
## STRATIGRAPHY AND STRUCTURE

Evaporite unit/s composition	Shale-Marlstone-Gypsum-Anhydrite-Halite
Post-evaporite and pre-kinematic unit/s	Upper Cretaceous (Adraén Fm., limestones); Palaeocene (Garumnian, Tremp Fm., mudstone, siltstone and sandstone); Lutetian (Guara Fm., limestones rich in foraminifera)
Syn-kinematic unit/s	Bartonian-Early Priabonian (Arguís Fm., marly siltstones); Middle Priabonian (Belsué-Atarés Fm., sandstones, conglomerates); Late Eocene-Early Oligocene (Campodarbe Fm., sandstones)
Post-kinematic unit/s (or post-evaporite deposition when undeformed)	Late Oligocene-Miocene (Uncastillo Fm., conglomerates), Quaternary
Age of evaporite flow or deformation (when deformed)	Eocene to Oligocene
Flow or deforming triggering mechanisms	E-W shortening related to the displacement of the South Central Pyrenean Unit
Halokinetic structures	Joint sets / Normal faults / Thickness variations / Progressive unconformities

## SUB-SURFACE DATA AVAILABILITY

Available borehole data	Yes
Available seismic data	Yes

## GEOLOGY (GEODE IGME)



## MAIN REFERENCES

Stratigraphy	Hoareau et al. (2021)
Regional Stratigraphy	Vidal-Royo et al. (2013)
Structure	Millán et al. (1994)
Regional Structure	Nalpas (1999)
Gravimetry	Ayala et al. (2016)
Petrophysics/Paleomagnetism	Pueyo-Morer et al. (1997)



IBERIAN  
EVAPORITE  
STRUCTURE  
DATABASE