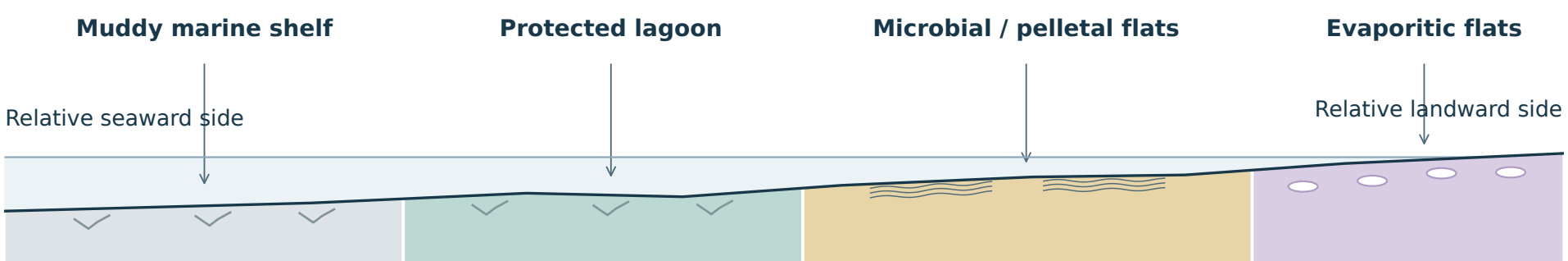
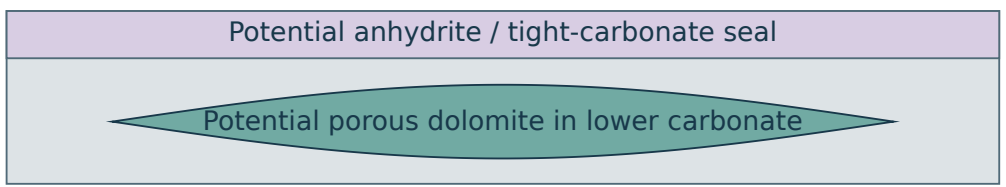
Carbonate settings, seals and later pore changes

Red River and Birdbear: related processes at different geological times, not one continuous facies belt.

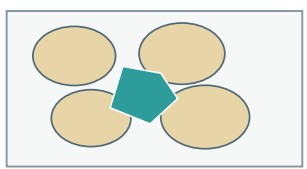
Deposition: low-relief carbonate environments



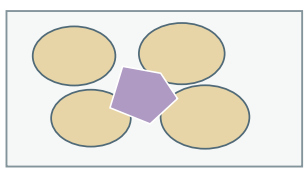
After burial: a reservoir still needs a seal



Later alteration can help or harm



Dissolution opens pores



Cement can fill pores

Montmartre Birdbear: 9-14-13-11W2, 4464 ft — microbial / pelletal fabric; not a pay claim.

Montmartre Red River: 8-21-13-11W2, 2166 m — dolomitized burrows and a partly filled fracture.

Conceptual • not to scale • not a mapped paleoshoreline

Sources: Thomas & Qing (2025), Figs. 8E / 11 / 12B / 15, pp. 13 / 17 / 18 / 21; Nichols (1970), pp. 21–23.
Local Birdbear anchor: Nichols (1970), Appendix D p. 53; Plate 13 Fig. 1, caption / image pp. 80–81.