Front cover: Darting Minnow Creek, clastic deposit with reworked Chicxulub impact spherules at base.

Back cover: right panel: clastic deposit with three reworked impact spherule layers, and sandstone burrowed by *Thalassinoides* in Well Mullinax-1.

Middle panel: clastic deposit at Cottonmouth Creek with reworked impact spherule layer (hammer) and primary impact spherule layer near base (yellow clay) altered to cheto smectite clay.

Left panel:
A. clasts at base of clastic deposit;
B. impact spherules in clasts from A.
C. Primary Chicxulub impact spherule ejecta altered to yellow cheto smectite clay.
D. Ammonite *Discoscaphites iris* from the late Maastrichtian.

Top panel: planktic foraminifera from left to right: *Plummeritahantkeninoides, Globotruncanarca, Pseudoguembelina hariaensis, Parvularugoglobigerina eugubina, Globocanusadaubjergensis*. 