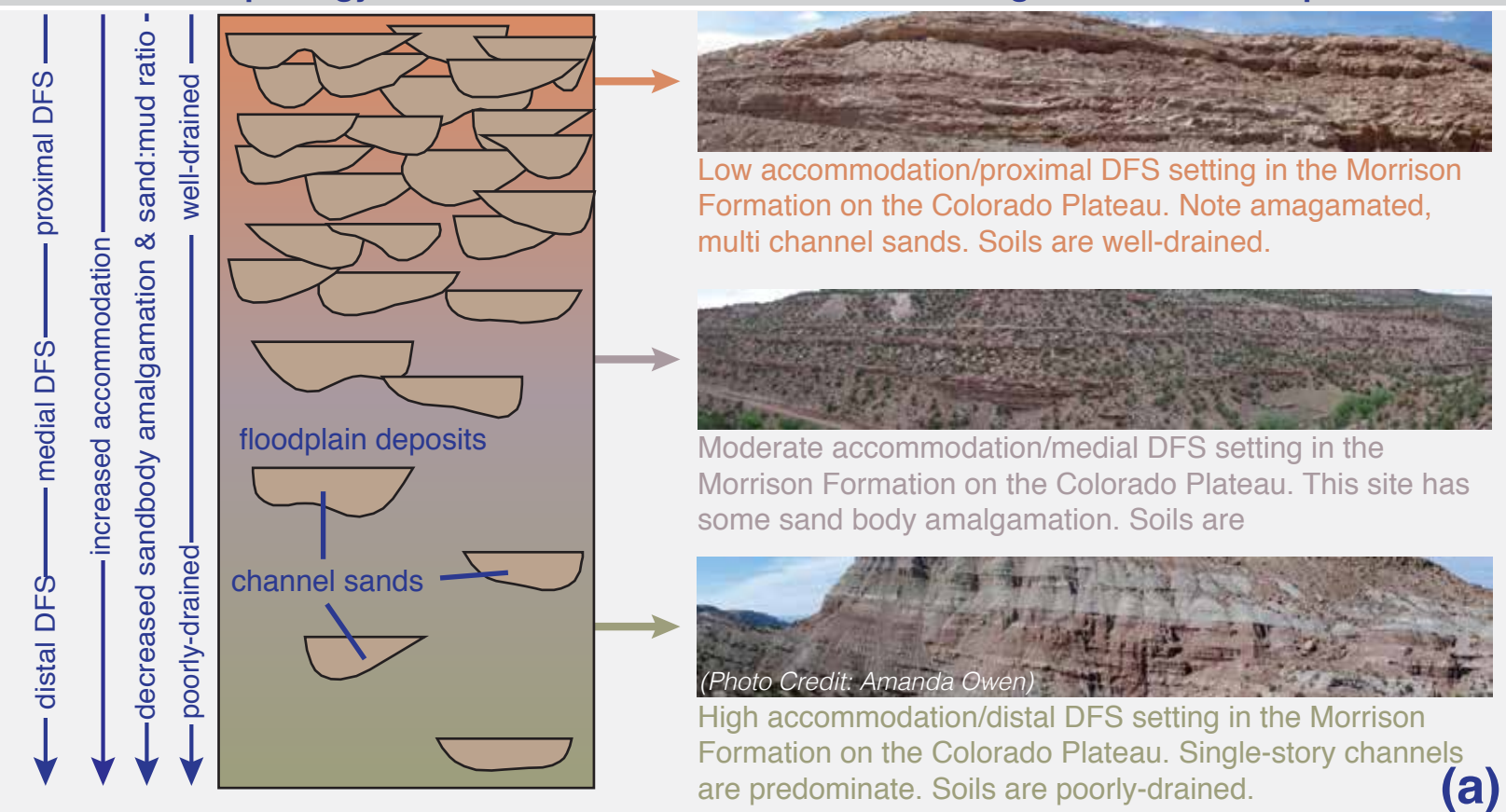
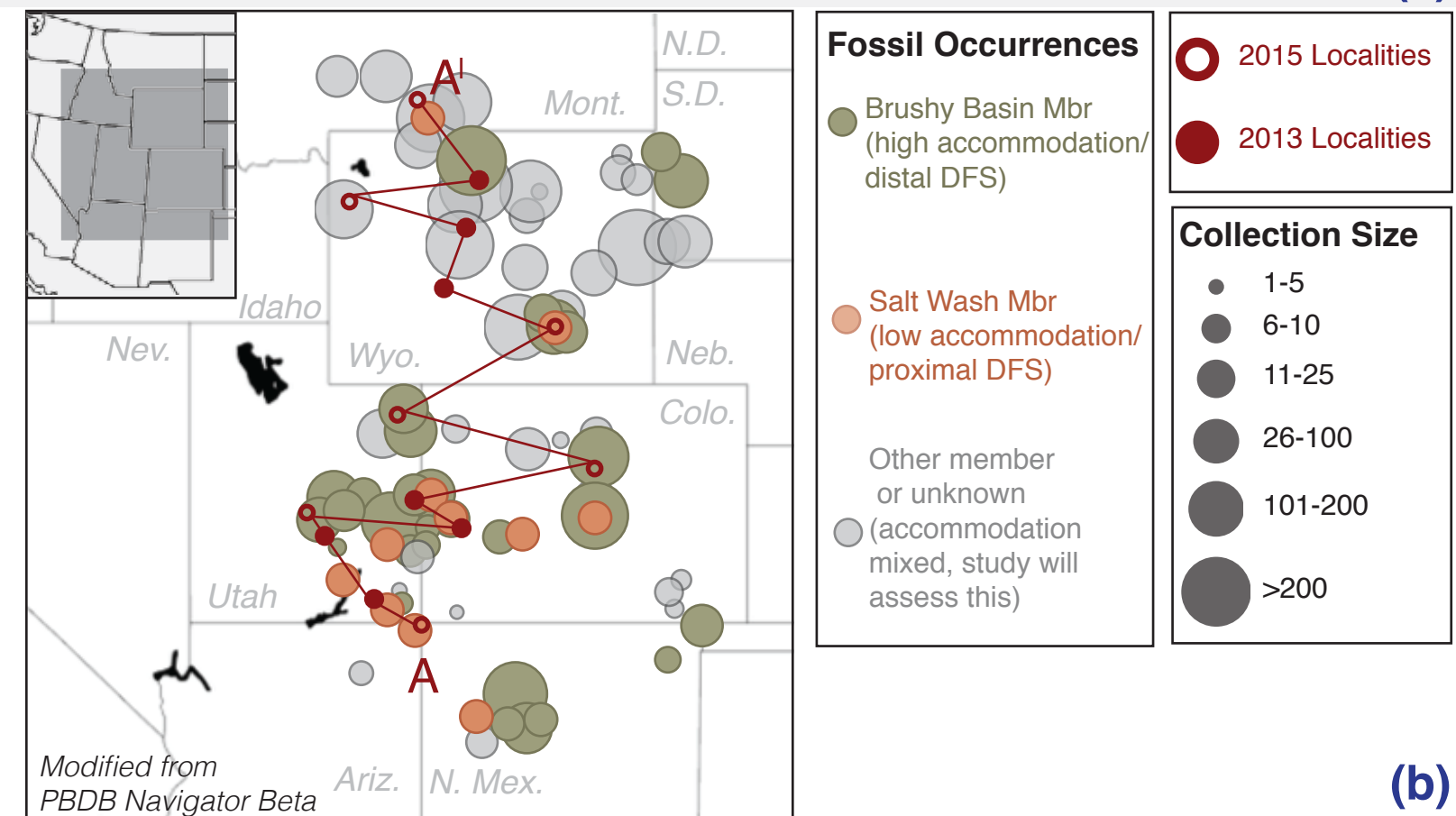


# Fluvial Geomorphology in the Morrison Formation and how it might relate to fossil preservation



(a)



(b)

**Figure 1. (a)** Stacking pattern and soil development based on location on the Morrison distributive fluvial system (DFS). Figure modified from Patzkowsky and Holland (2012) and Weissmann et al. (2013). **(b)** Fossil collection size by member for the Morrison is from the Paleobiology Database. Note that the high accommodation distal-to-source Brushy Basin Mbr contains 140 fossil occurrences while the low accommodation proximal-to-source Salt Wash Mbr only contains 28 fossil occurrences. Transect of stratigraphic columns from the Morrison Fm. is shown in red. Open circles are sections to be measured during the summer of 2015 and solid circles have already been measured during the 2013 field season. Sections will be supplemented with sections from prior publications.