Contrasting styles of aeolian, fluvial and marine Interaction in the Cutler Group of the Paradox Basin, SE Utah, USA

Introduction and Geologic Setting

Regional Stratigraphy

Case Study 2: Lockhart Canyon

Study Location

Case Study 1: Lower Cutler Beds

Conclusions

Facies Models: Lower Cutler Beds (Incised Valley Fill Units)

Facies Models: Cedar Mesa - Organ Rock Transition Zone

Panel 1

Panel 2

Panel 3

Panel 4

Panel 5

Panel 6

Panel 7

Panel 8

Panel 9

Panel 10

Panel 11

Sporadic fluvial incursion into the erg margin of the Cedar Mesa Sandstone

Increased fluvial activity & onset of reduction in aeolian activity

Basal Organ Rock Formation: onset of fluvial braidedplain development

Thanks to M. Rippon and S. Cain for assistance with field data collection.