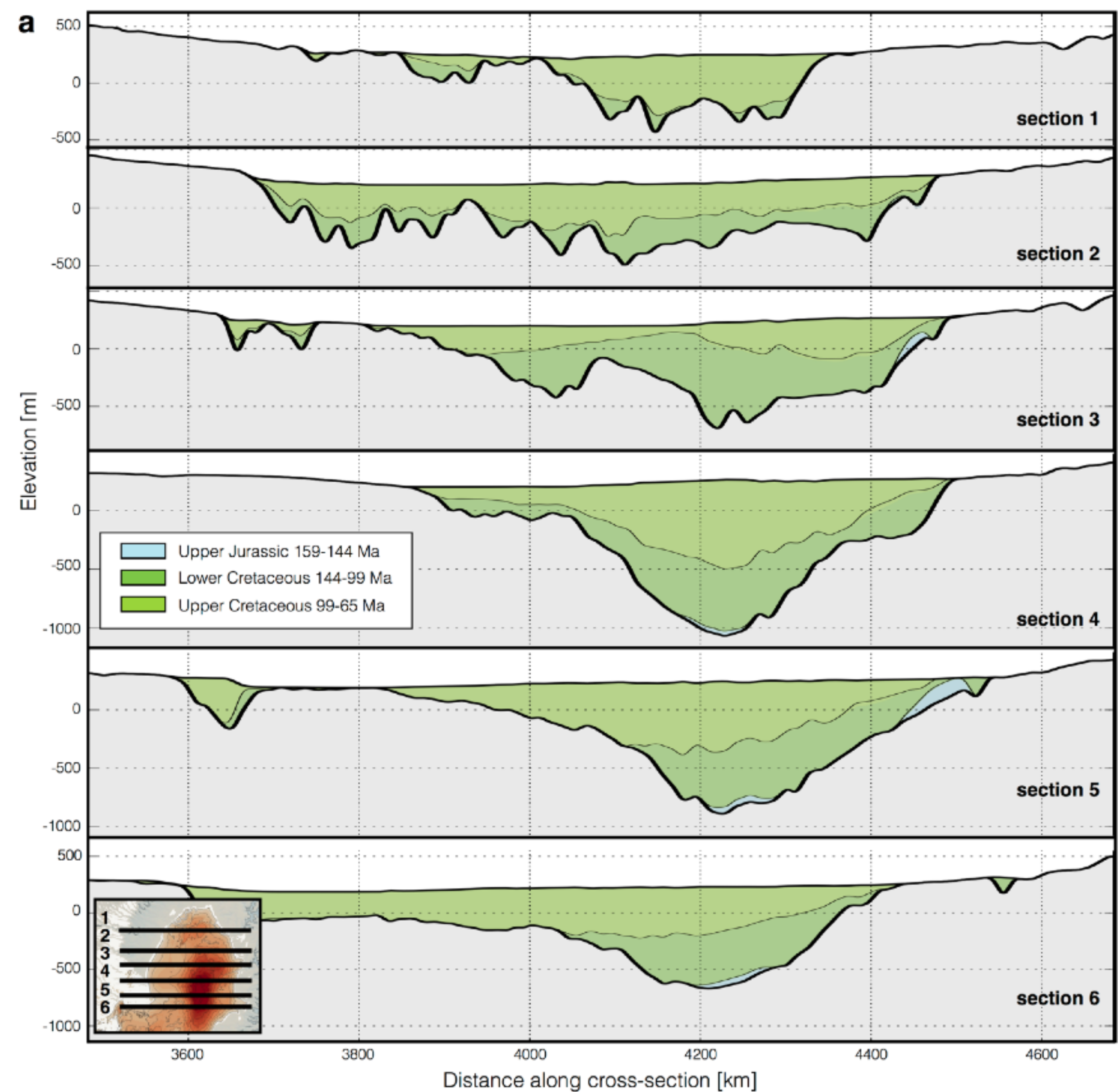
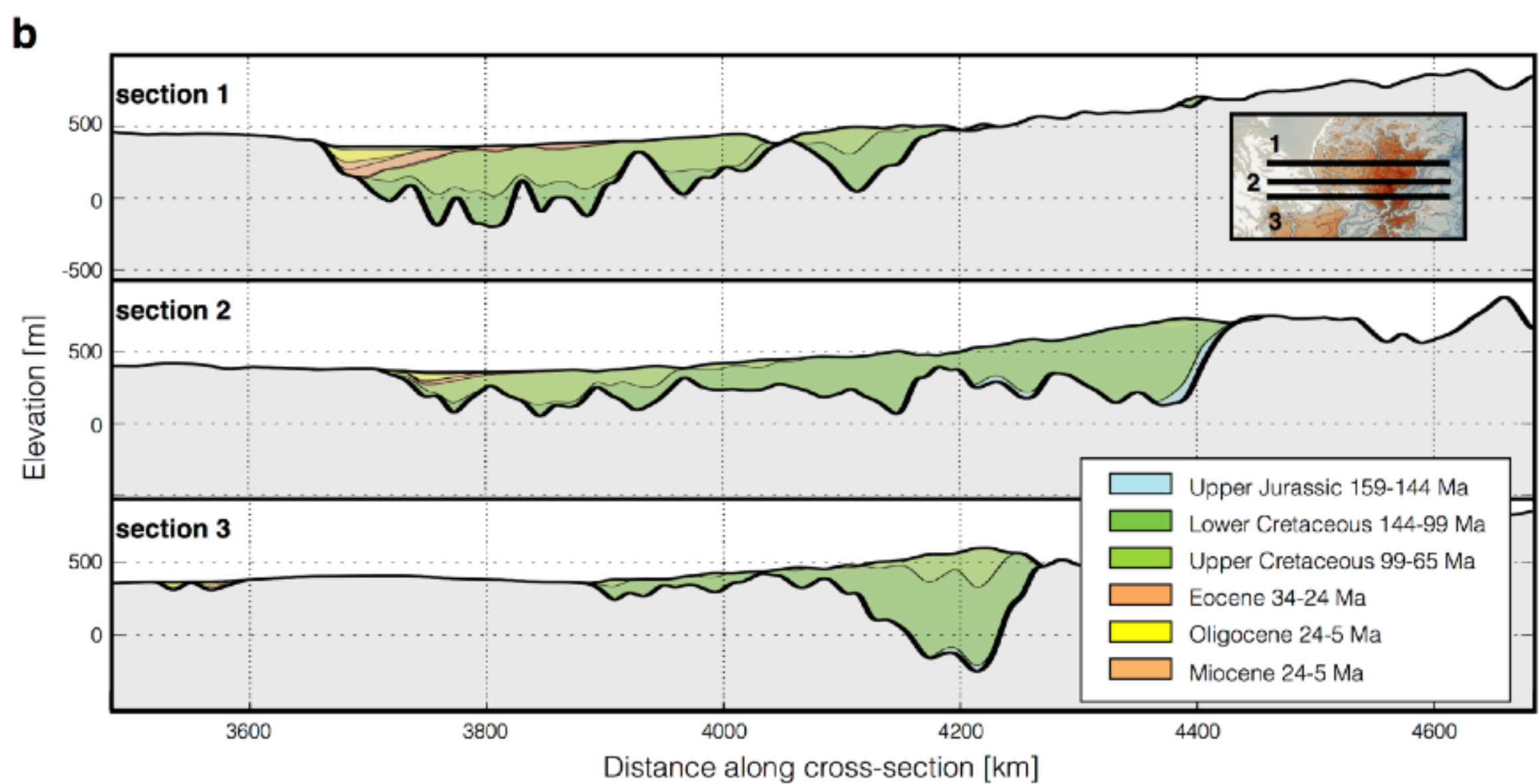


Erosion/deposition maps

Late Cretaceous Eromanga Basin cross-sections



Present-day Eromanga Basin sections



This part of our model is still being refined and only shows the capabilities of the model – no comparison with seismic sections or wells yet

Conclusions & future outlook

- Reproduce many distinctive landscape features of today's Australian Great Dividing Range basins (Murray-Darling basin catchment, river profiles)
- Models agrees with uplift and exhumation history
- Provides insights into transient catchment response and shows that most of the southern part of the divide is under active reorganisation since 150 Ma
- Useful for understanding basin evolution and source-2-sink concept (sediments provenance)
- Can be applied anywhere

