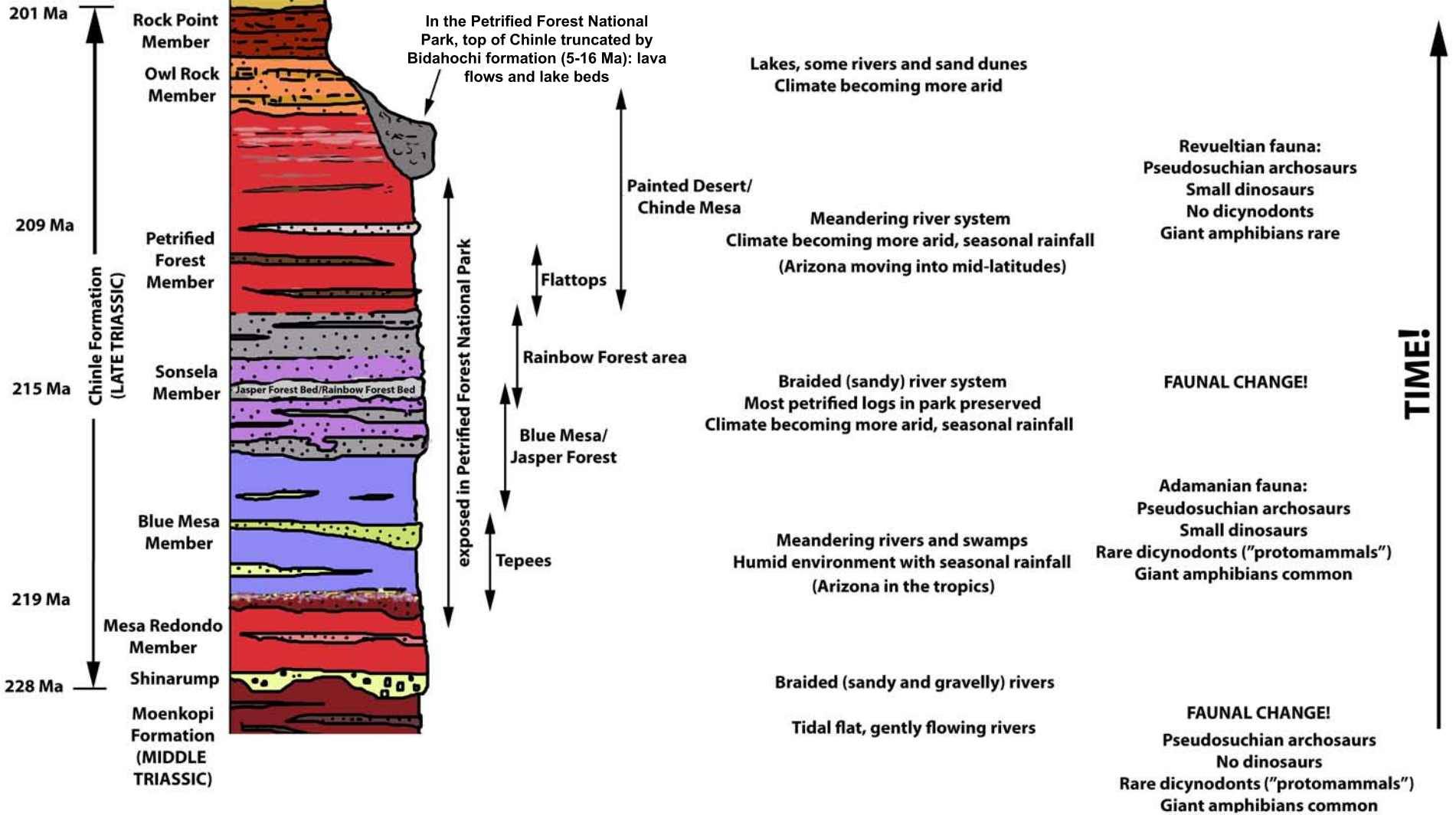
201 Ma
Rock Point Member
Owl Rock Member
In the Petrified Forest National Park, top of Chinle truncated by Bidahochi formation (5-16 Ma): lava flows and lake beds
Lakes, some rivers and sand dunes
Climate becoming more arid
Revueltian fauna:
Pseudosuchian archosaurs
Small dinosaurs
No dicynodonts
Giant amphibians rare
Painted Desert/ Chinde Mesa
209 Ma
Petrified Forest Member
Meandering river system
Climate becoming more arid, seasonal rainfall
(Arizona moving into mid-latitudes)
Flattops
Chinle Formation (LATE TRIASSIC)
Rainbow Forest area
Sonsela Member
215 Ma
Jasper Forest Bed/Rainbow Forest Bed
Braided (sandy) river system
Most petrified logs in park preserved
Climate becoming more arid, seasonal rainfall
FAUNAL CHANGE!
Blue Mesa/ Jasper Forest
exposed in Petrified Forest National Park
Adamanian fauna:
Pseudosuchian archosaurs
Small dinosaurs
Rare dicynodonts ("protomammals")
Giant amphibians common
Blue Mesa Member
Meandering rivers and swamps
Humid environment with seasonal rainfall
(Arizona in the tropics)
Tepees
219 Ma
Mesa Redondo Member
228 Ma
Shinarump
Braided (sandy and gravelly) rivers
Moenkopi Formation (MIDDLE TRIASSIC)
Tidal flat, gently flowing rivers
FAUNAL CHANGE!
Pseudosuchian archosaurs
No dinosaurs
Rare dicynodonts ("protomammals")
Giant amphibians common
TIME!