

Office hour changes today:
3-4pm

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The Last Days:

4/27: Finish up Aquatic

4/29: Mesozoic World 1

5/2: Mesozoic World 2

5/4: Extinctions!

5/6: Finish up & Review

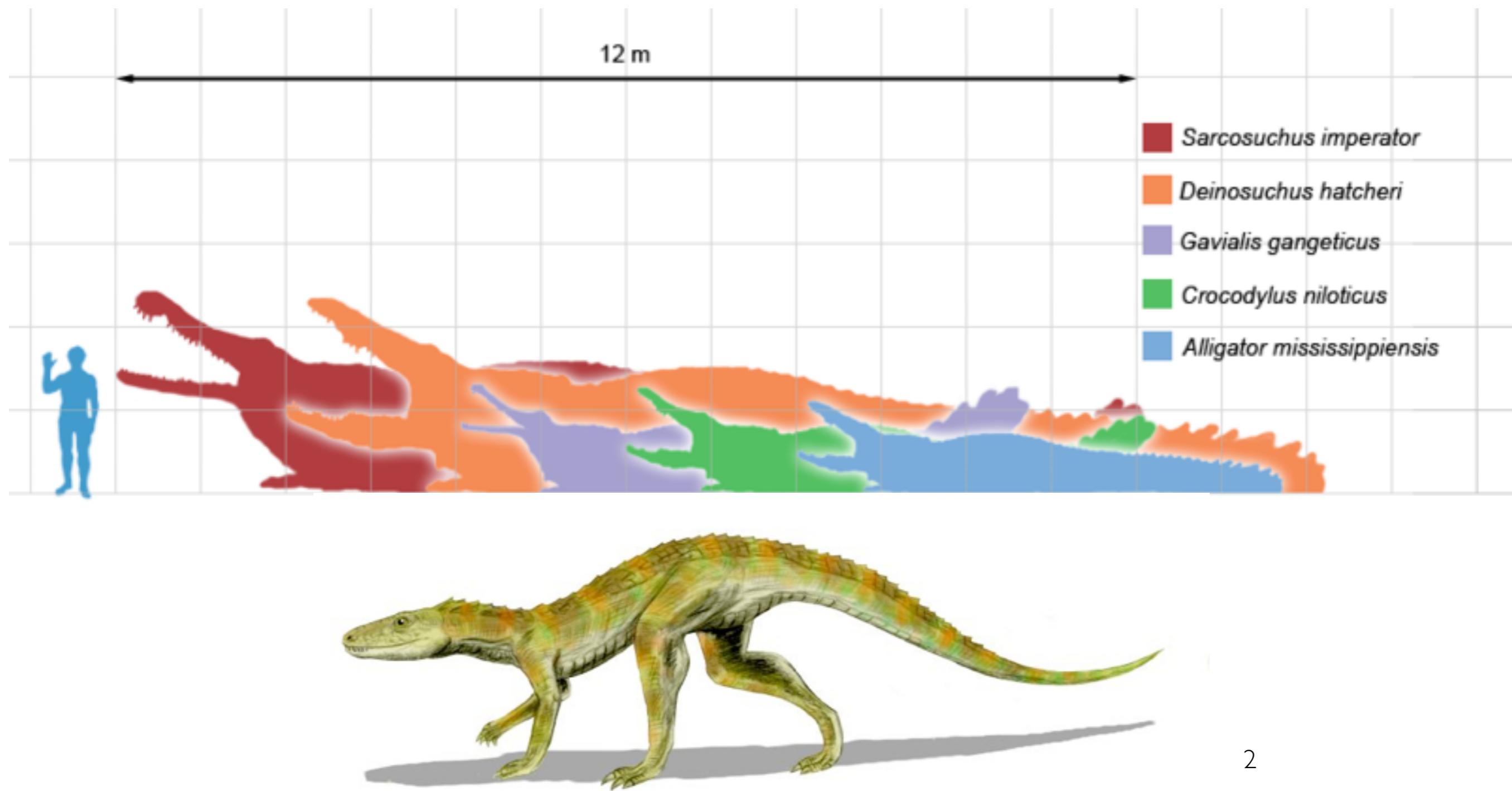
5/9: Final Exam



True Crocodiles:
Late Cretaceous to present

Marine Crocs:
Teleosaurids
Metriorynchids

Crocodylomorpha (Archosaurs)
mid-Triassic to present





A modern croc
most haven't
heard of: *Gavialis*

Indian subcontinent &
Java, Malay Archipelago

"Their jaws are too thin and delicate to grab larger prey, especially people. They catch fish by lying in wait for fish to swim by, and then catch the fish by quickly whipping their heads sideways and grabbing it in their jaws. They herd fish with their bodies against the shore, and stun fish using their underwater jaw clap. They do not chew their prey, but swallow it whole."

Teleosaurid Crocs

Early Jurassic to Early Cretaceous

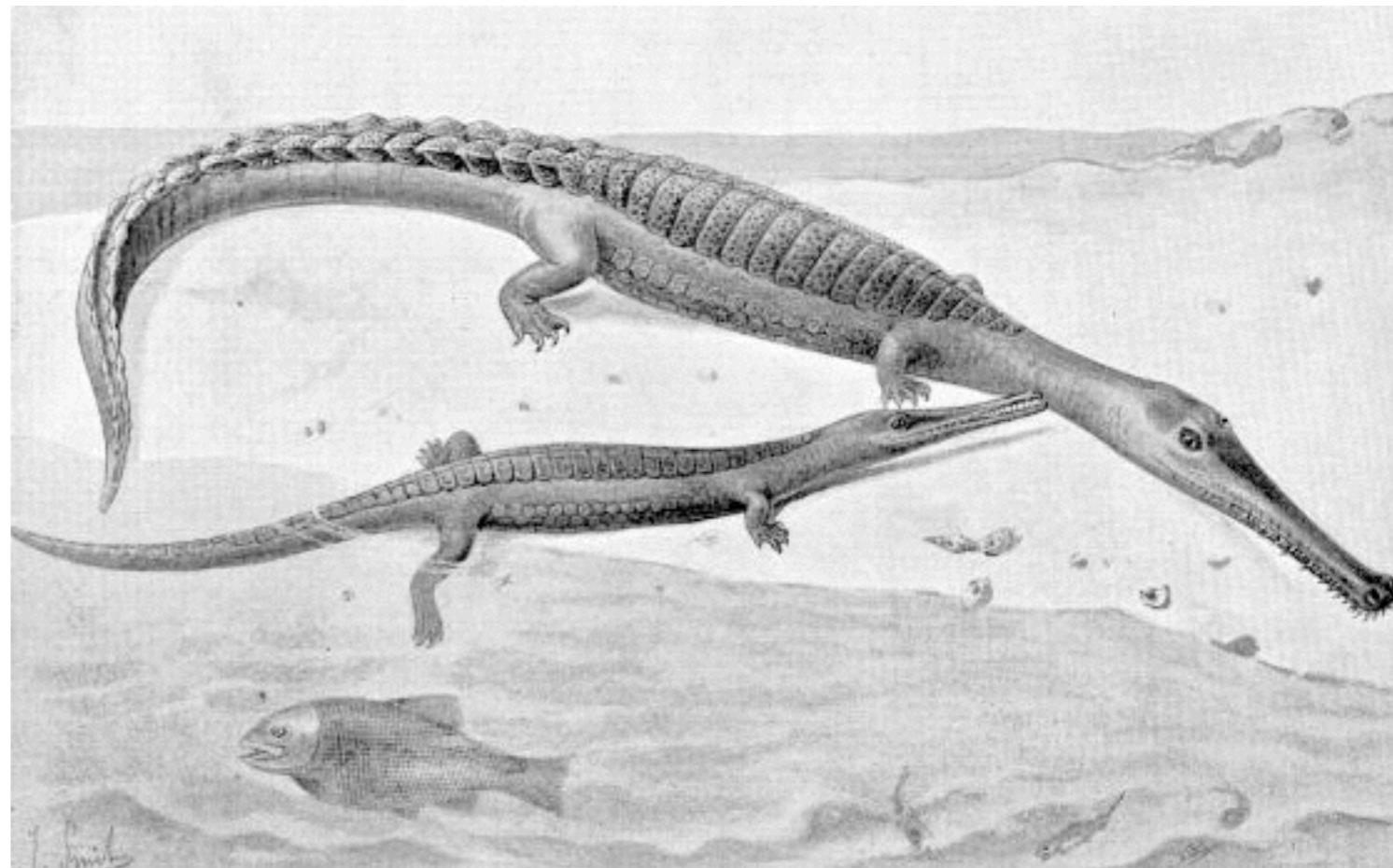
Long snouts (Piscivores)

Very crocodile-like

Worldwide distribution



Mystriosuchus



Teleosaurus



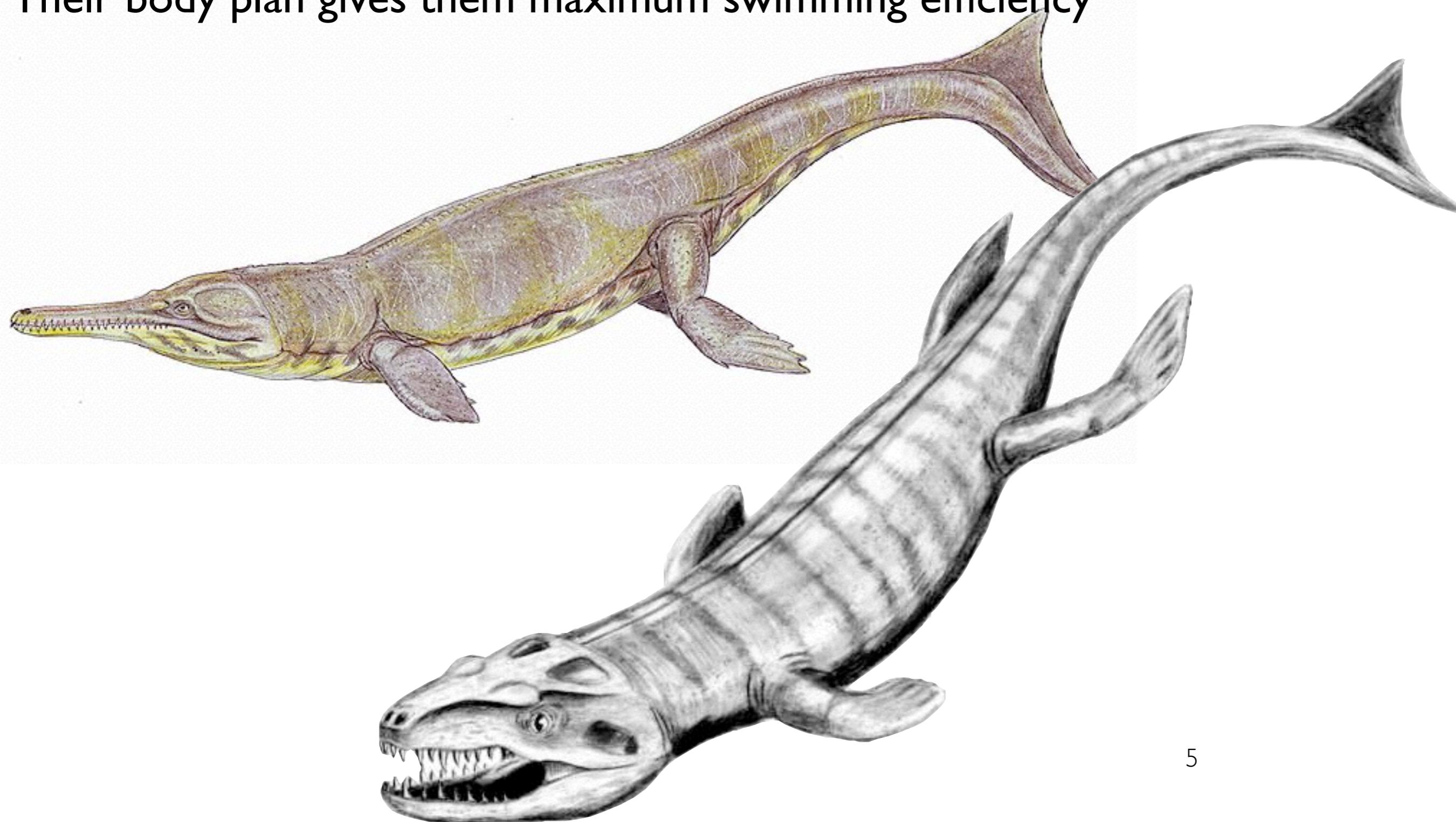
Metriorynchid Crocs

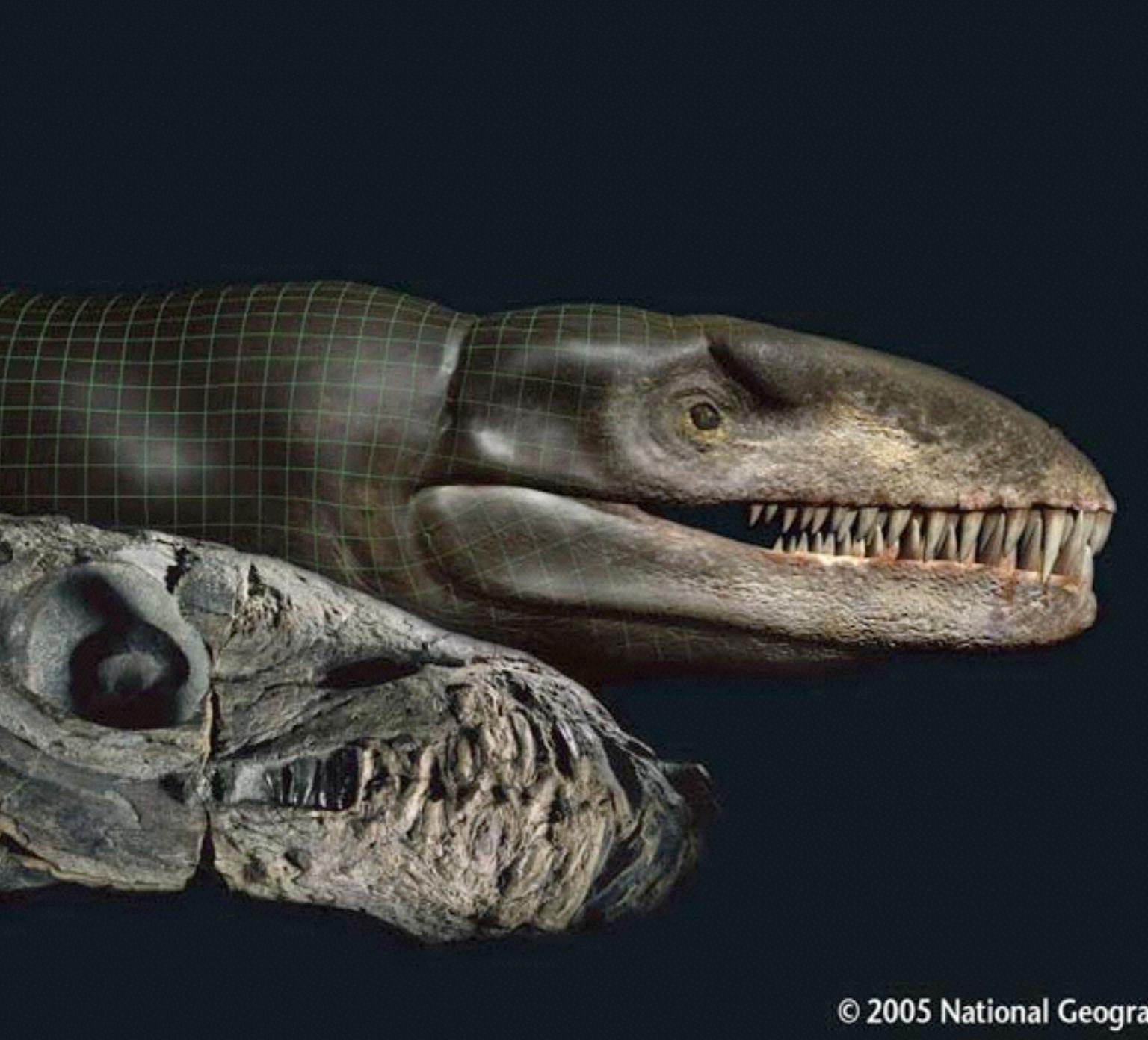
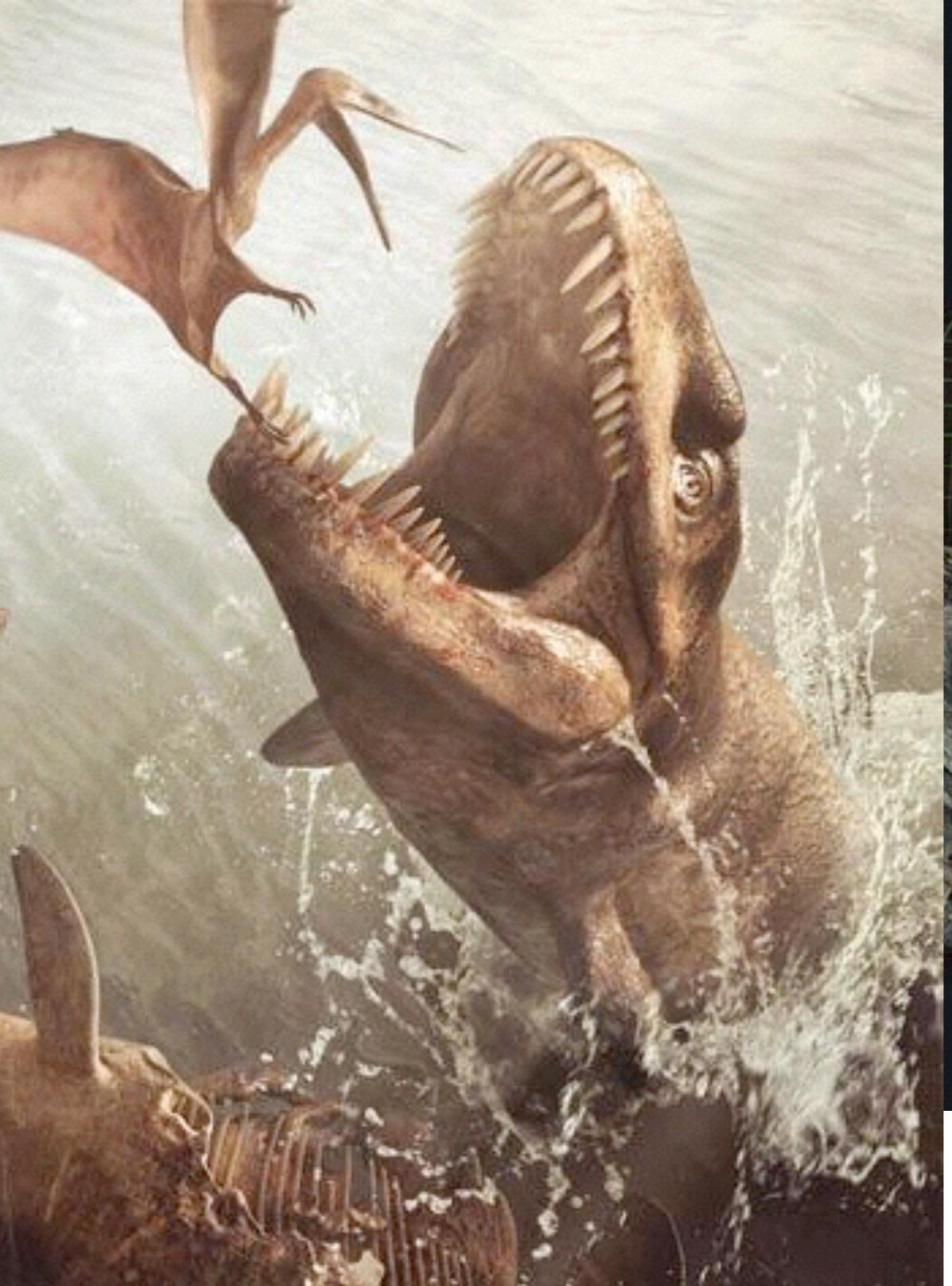
Mid Jurassic to Early Cretaceous

Fully aquatic- evolved fish-like fins

Lost their osteoderms

Their body plan gives them maximum swimming efficiency





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Flattened, serrated teeth
Teeth analogous to Killer Whales
Had salt glands in skull to deal with
ocean water

Dakosaurus

Freshwater Crocodylomorphs

'Super Croc'

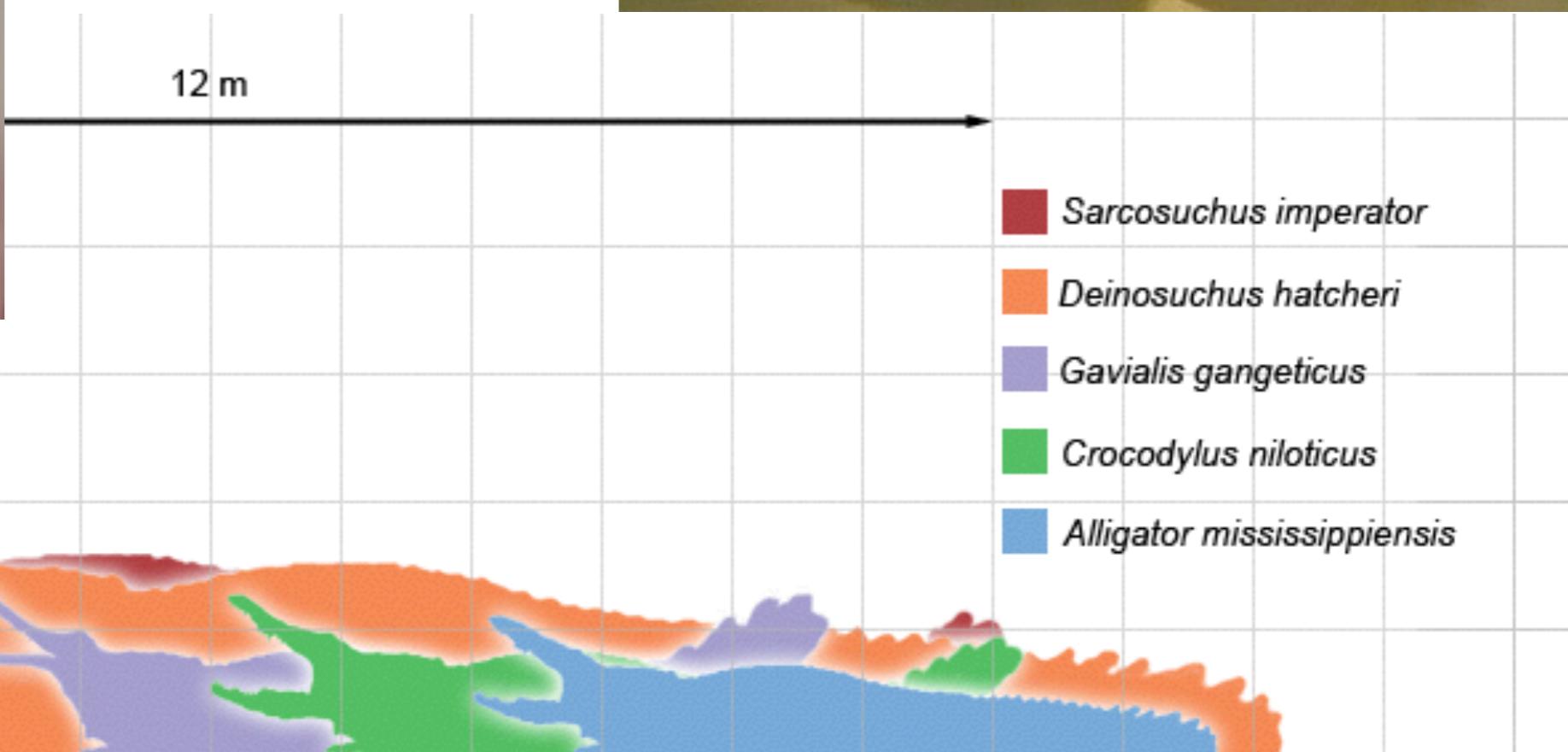
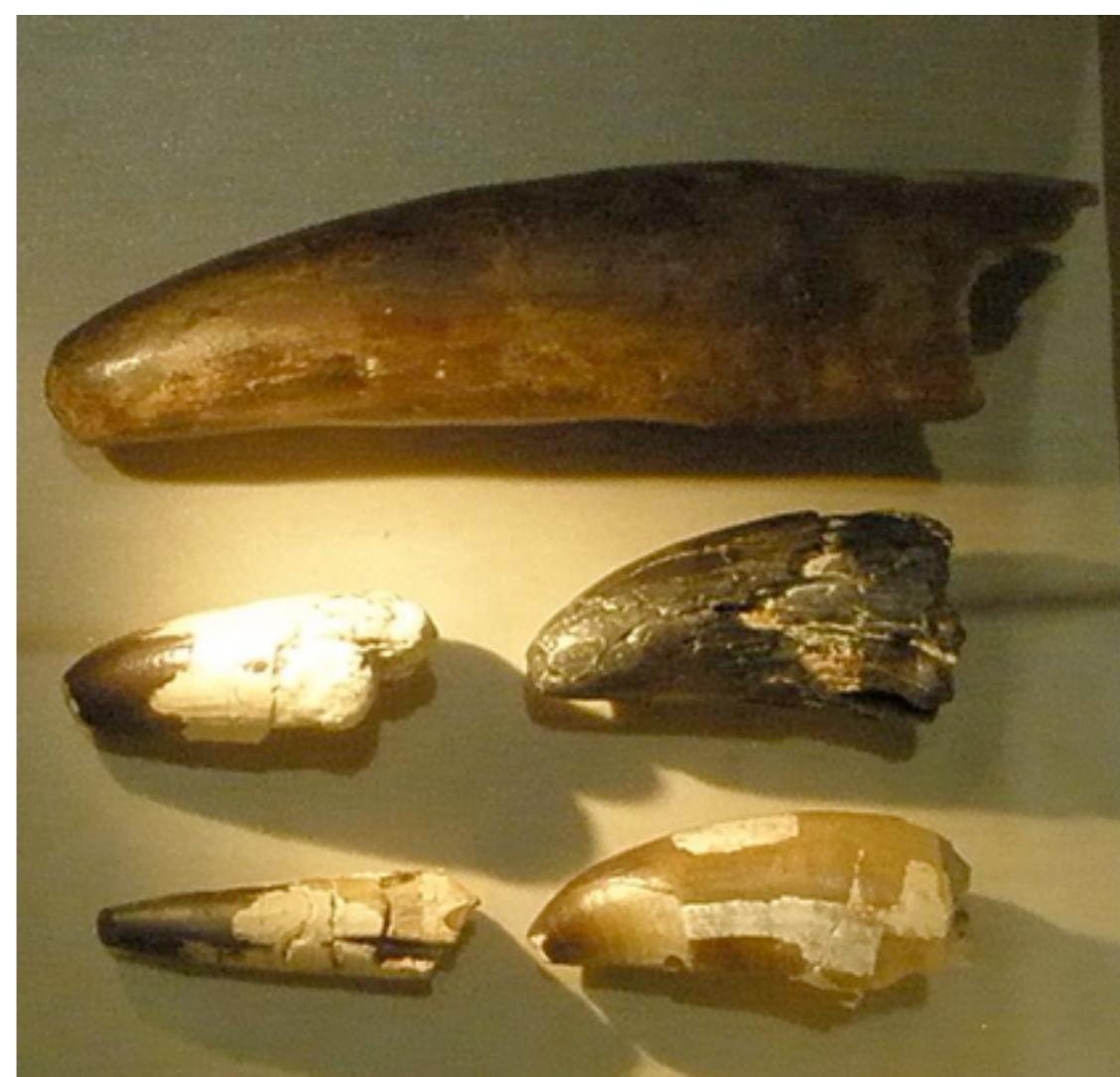
Sarcosuchus

Early-Mid Cretaceous

40 ft long; 6 ft long skull

Thinner snout than *Deinosuchus*

Prey: large fish, turtles, small Dinosaurs





Freshwater Crocodylomorphs

'Dreadful Croc'

Deinosuchus

Early-Mid Cretaceous

35-40 ft long

Robust skull, teeth: built for crushing/tearing

Prey: large Dinosaurs (hadrosaurids: tooth marks on tail vertebrae)





