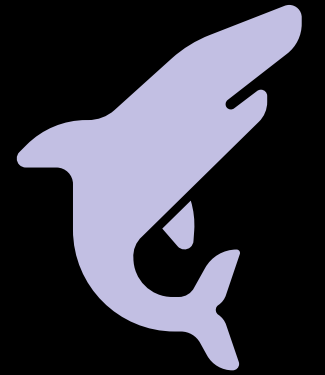




Cryptozoology Meets Ecology

A Look Into the Megalodon



Vinny Chloros



📍 AMNH, Hall of Ocean Life





📍 AMNH, *Sharks* Special Exhibit



© Dr. Nicholas Pyenson, National Museum of Natural History



Collin Drake
Marine Biologist

© George Monbiot, The Guardian

- Following report of boat disappearance off the coast of South Africa
- Features notable paleontologists



© IMDb



Shark Week (TV Series)

Megalodon: The Monster Shark Lives (2013)

Full Cast & Crew

Edit

IMDbPro See agents for this cast & crew on IMDbPro

Directed by

Doug Glover

... (as Douglas Glover)

Writing Credits (in alphabetical order)

John McLaughlin

... (written by)

Cast



Mike Bhana

...

Mike Bhana



Clayton Evertson

...

Fisherman



Katherine Kampko

...

Jess Okar (as Katherine Crawford)



Jeremeo Le Cordeur

...

Hawaiian Boy



Darron Meyer

...

Colin Drake



Juliana Venter

...

Madelyn Joubert (uncredited)

Produced by

Megalodon: The Monster Shark Lives
(TV Episode)

Details

Full Cast and Crew

Release Dates

Official Sites

Company Credits

Filming & Production

Technical Specs

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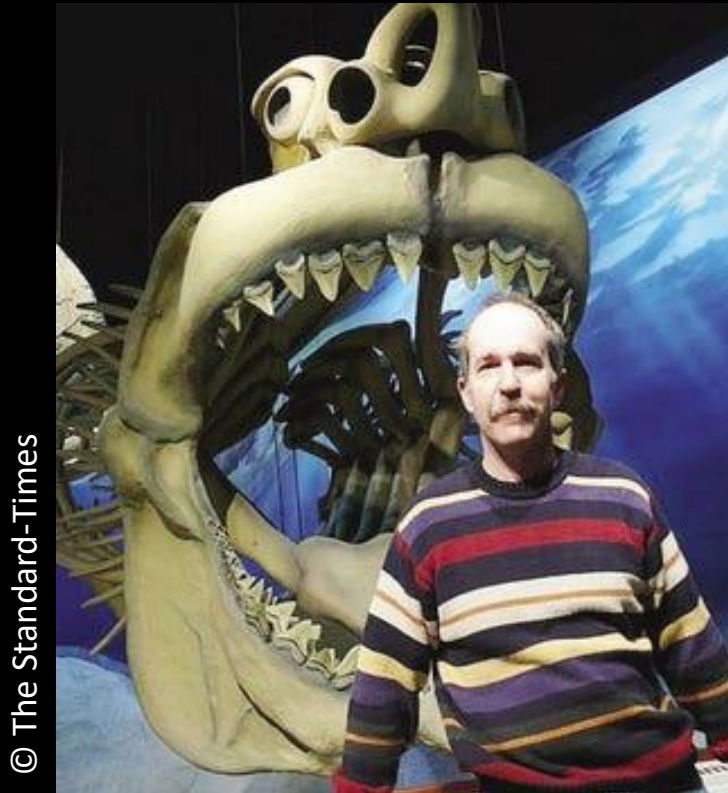
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some horror movies I seen the past 6 years

Dr. Stephen J. Godfrey



© The Standard-Times

“The extinct megatooth shark... *Otodus megalodon*.”

Otodus-bitten sperm whale tooth from the Neogene of the Coastal Eastern United States (2021)

Dr. Bretton W. Kent



© University of Maryland

Megatooth sharks framed in comparison to their extant (i.e. still living) relatives

The cartilaginous fishes of Calvert Cliffs, Maryland, USA in Smithsonian Contributions to Paleontology (2018)



Newscast about Shark Week episode hosted by... Shark Week?

© Ben Winsor, Insider

AT LEAST 350 MILLION YEARS AGO

Cladoseleche had the earliest known shark-like body plan. But it may be more closely related to chimaeras—or it may have evolved before the shark and chimaera branches split.

The only living members of the group are deep-sea chimaeras.



The megalodon had the strongest bite of any known animal, including *T. rex*.

It probably had a bite up to 10 times stronger than a great white shark, which by some estimates has the most powerful bite of any living animal.



GREAT WHITE
BITE FORCE

UP TO
4,000
POUNDS

MEGALODON
BITE FORCE

UP TO
41,000
POUNDS



Use of shark teeth in estimating total length (TL) in great white sharks in relation to estimating maximum megalodon size

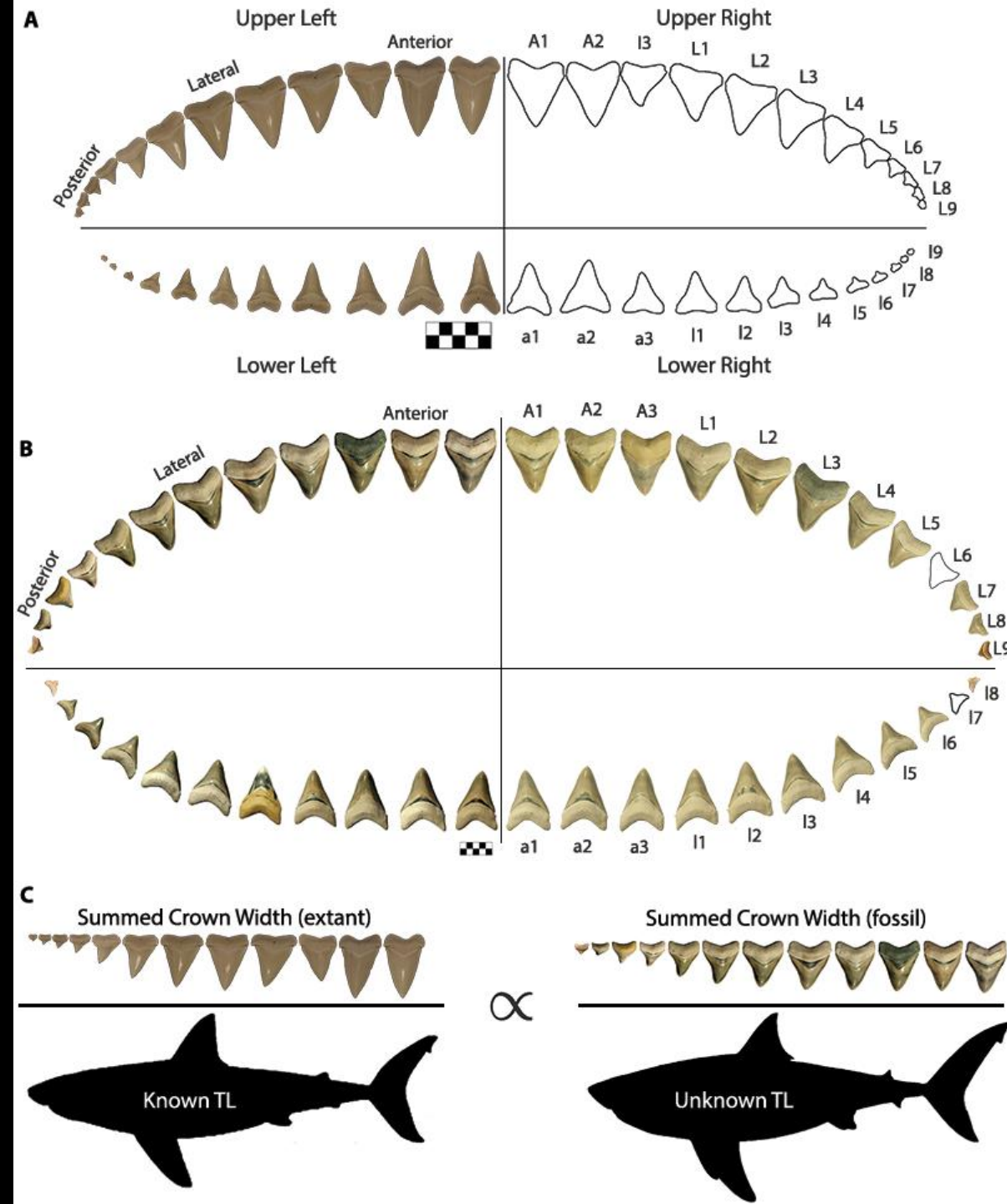
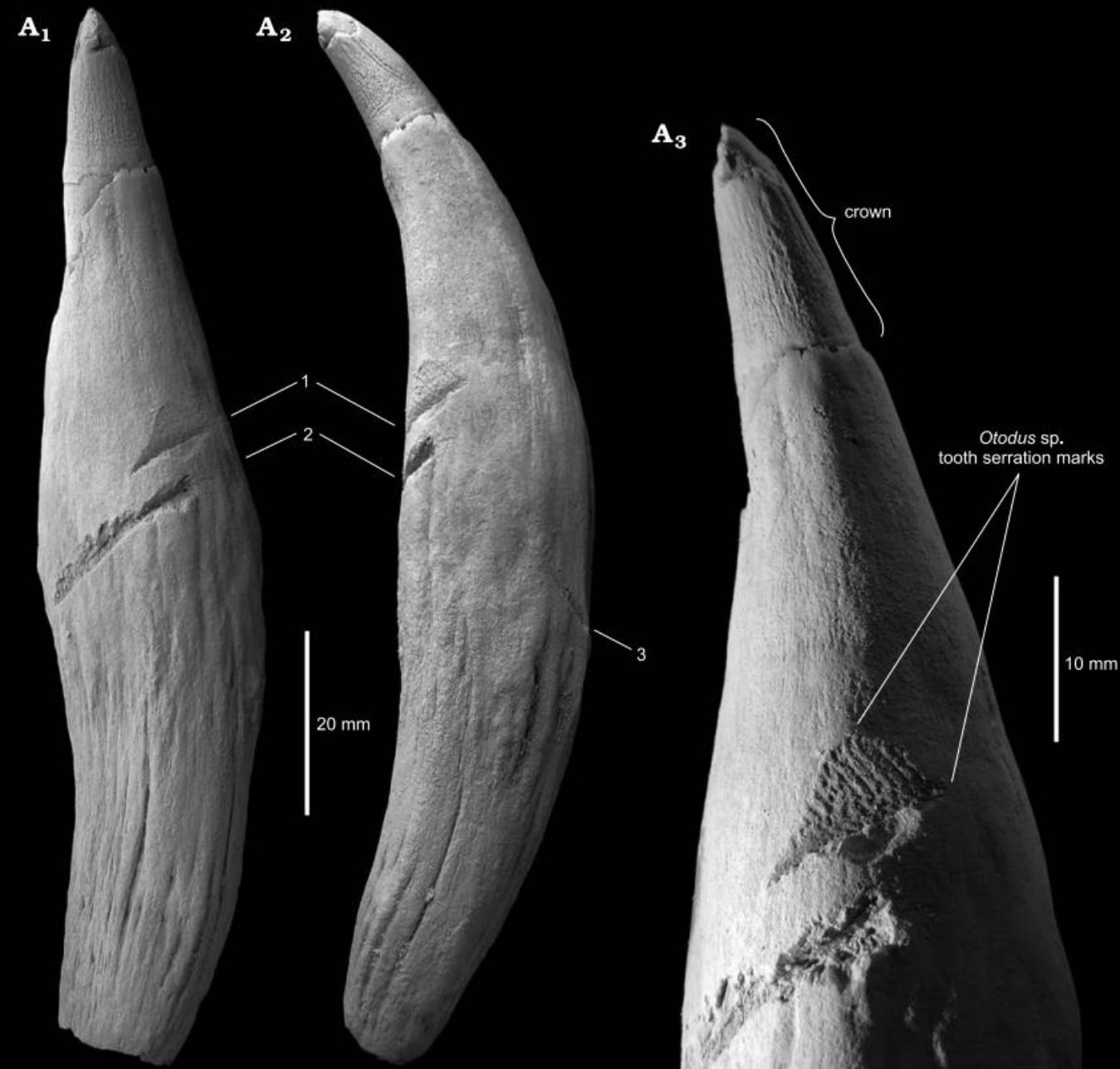


Figure 1 from Perez et al., 2019
Body length estimation of Neogene macrophagous lamniform sharks (Carcharodon and Otodus) derived from associated fossil dentitions



Samples of fossilized whale tooth with serrations from a megalodon

Figures 1 & 2 from Godfrey et al., 2021
Otodus-bitten sperm whale tooth from the Neogene of the Coastal Eastern United States

Artistic rendition of what the attack may have looked like



Dr. Robert W. Boessenecker

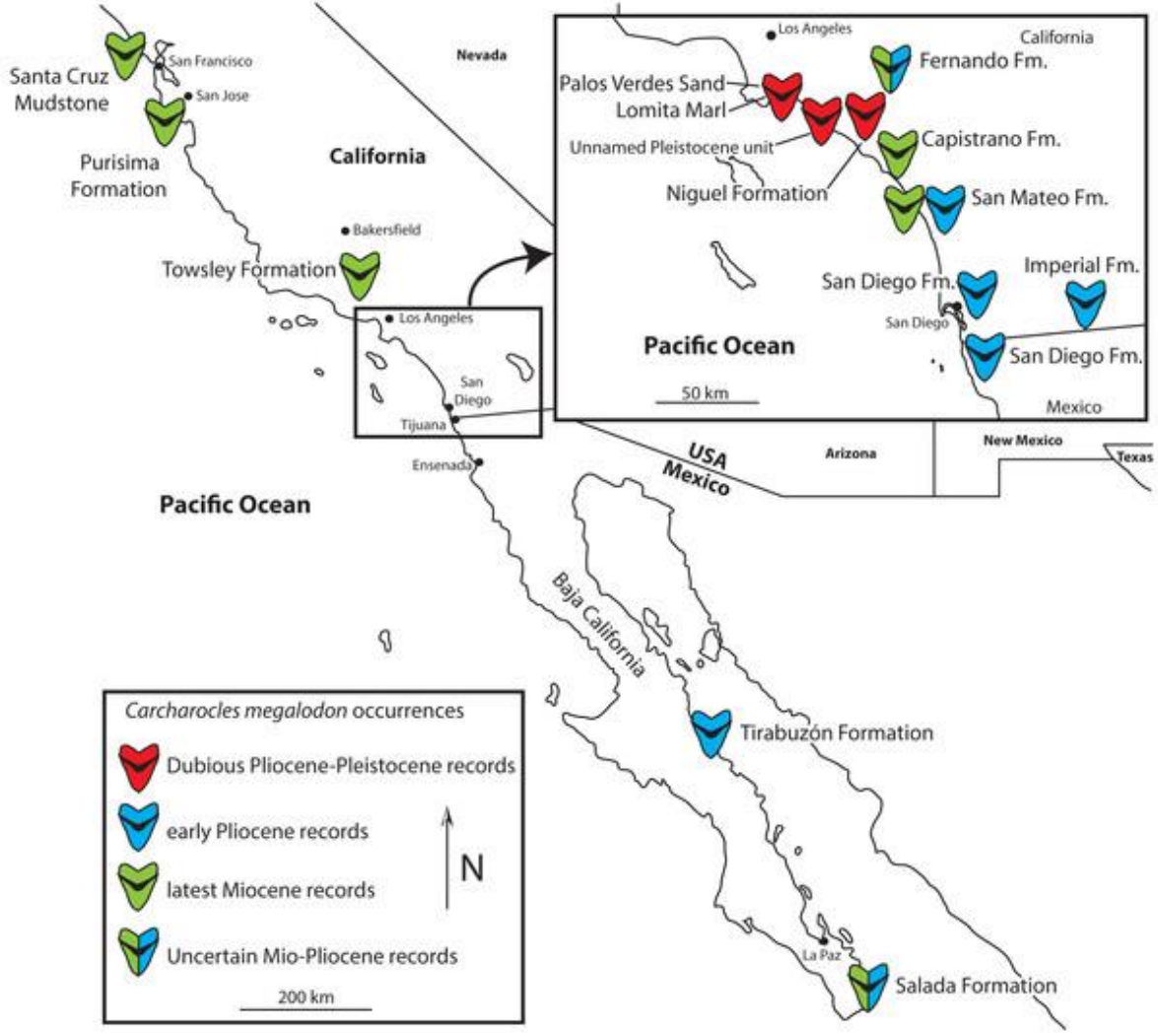
@CoastalPaleo



Jack Cooper, PhD student

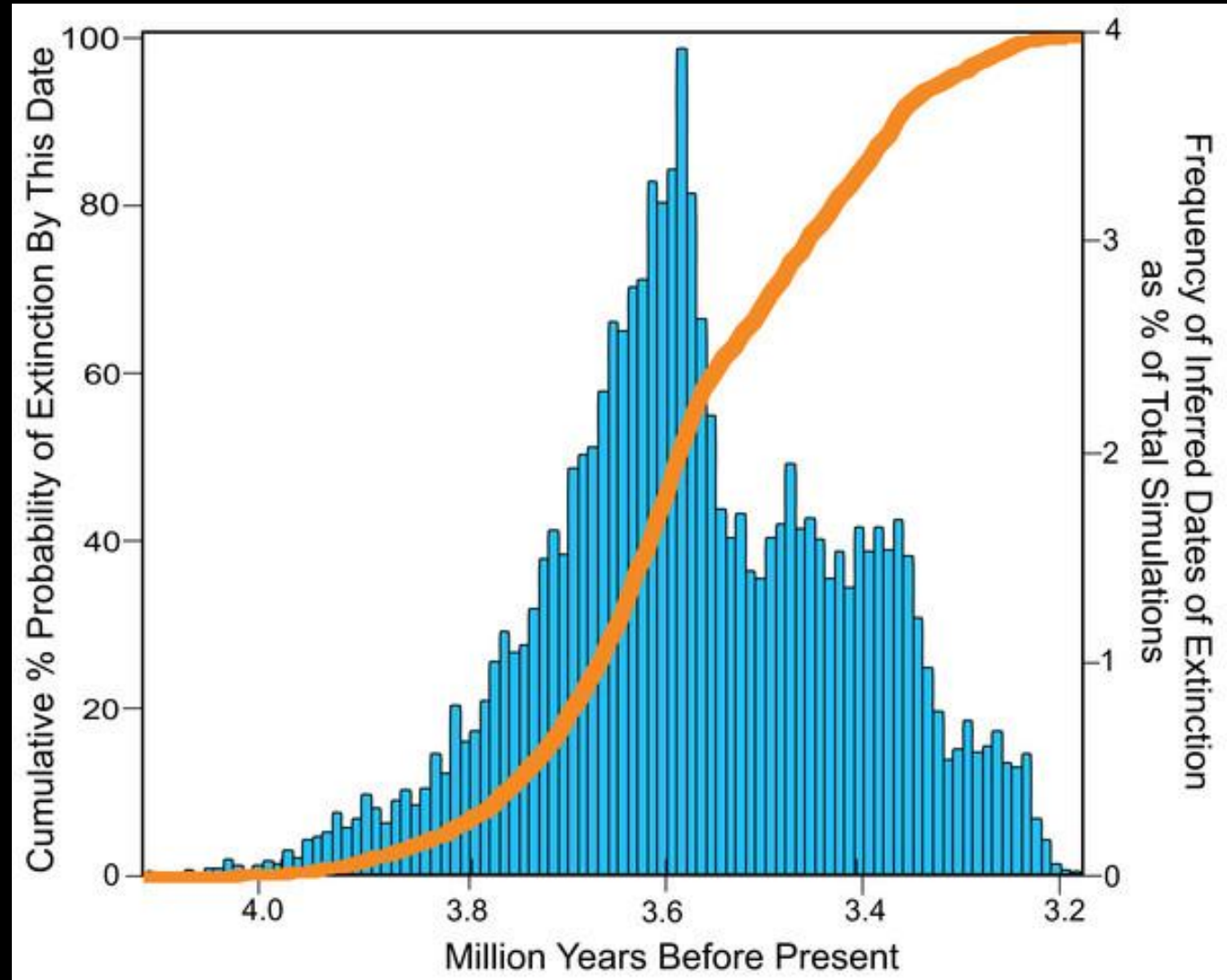
@CooperPalaeo





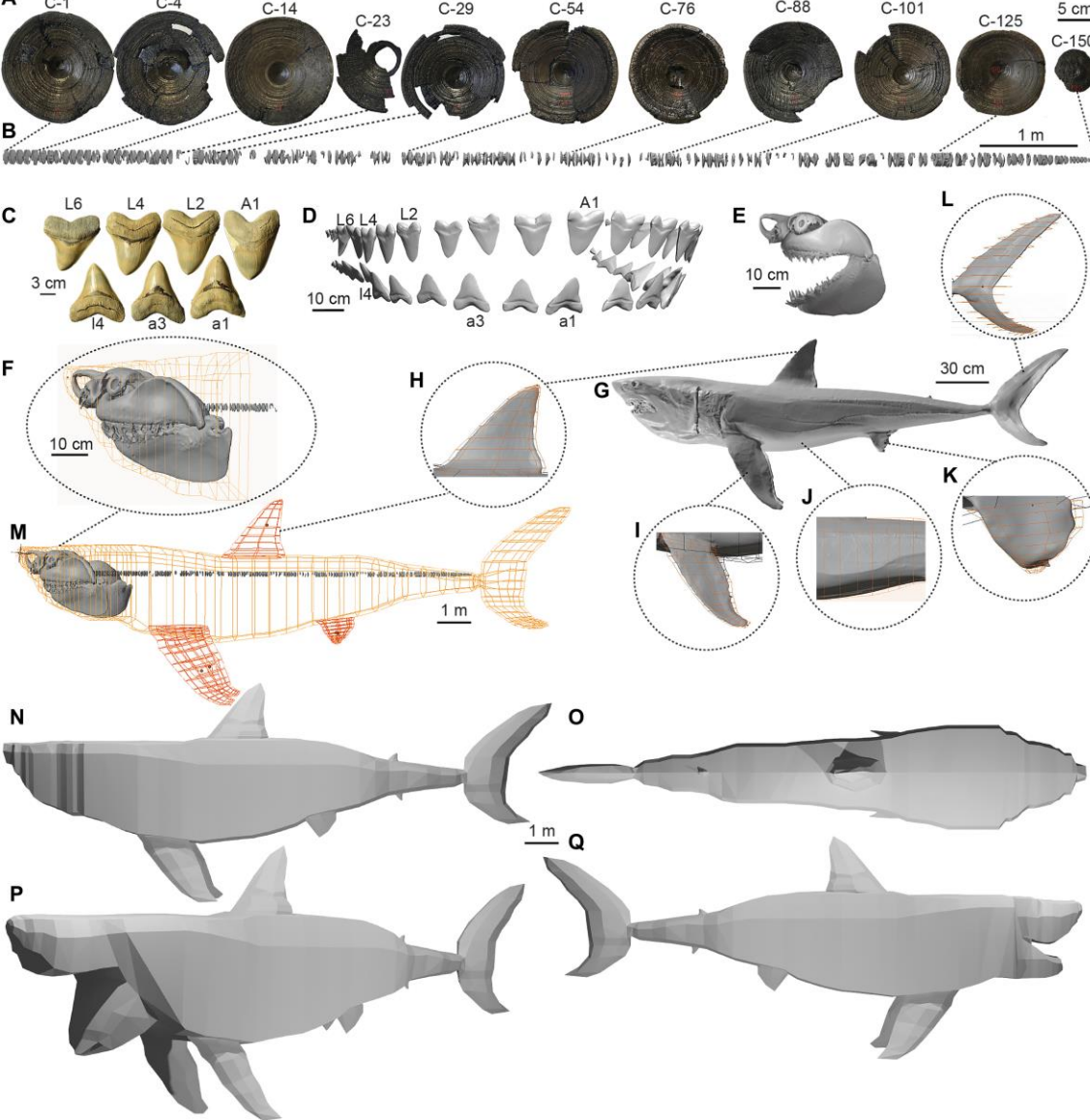
Redating tooth fossil samples from the west coast and using a mathematical model to estimate most likely extinction time

Figures 1 & 9 from Boessenecker et al., 2019
The Early Pliocene extinction of the mega-toothed shark *Otodus megalodon*: a view from the eastern North Pacific





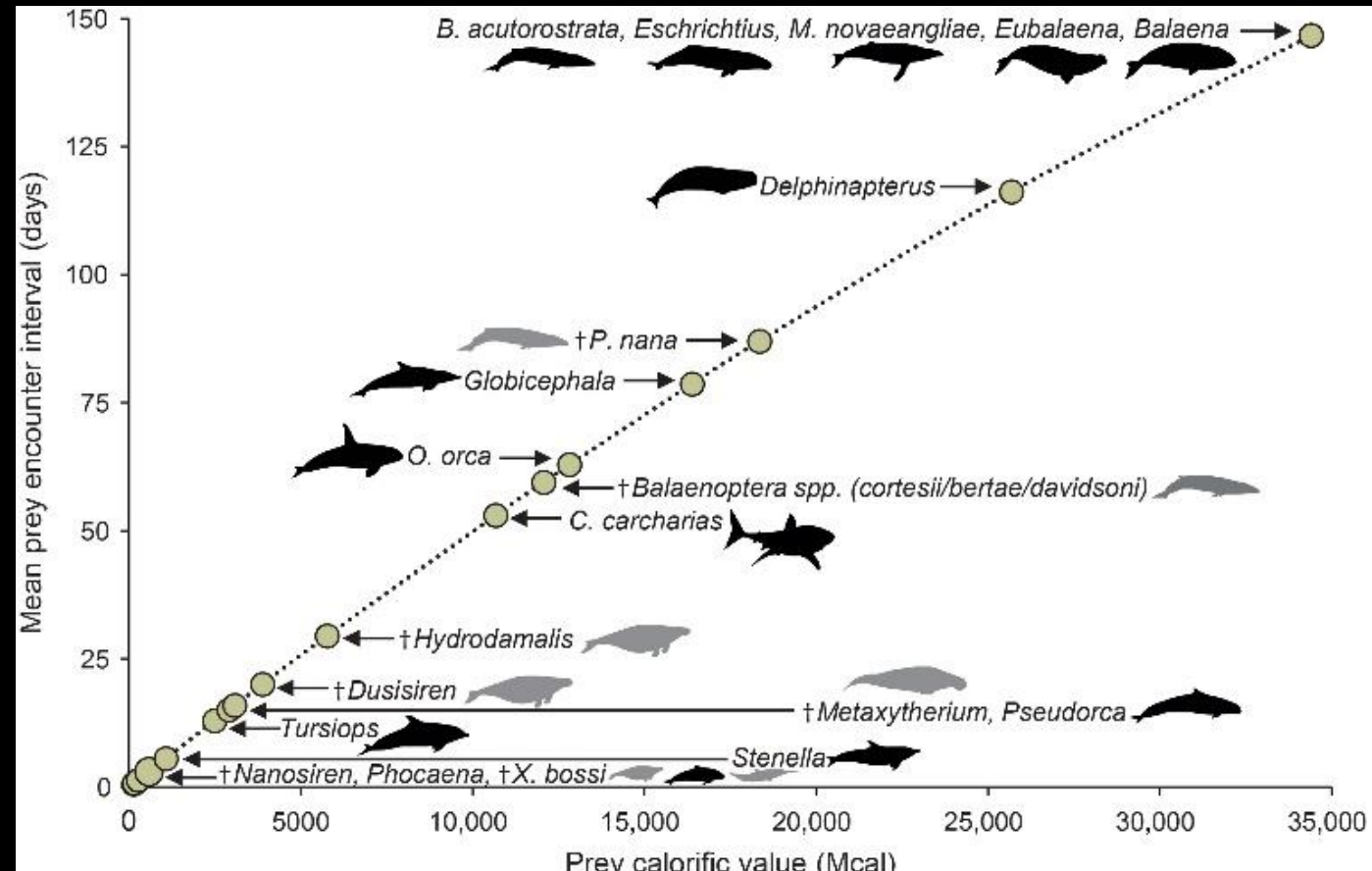
Juvenile Lemon Sharks under the mangrove trees they call home



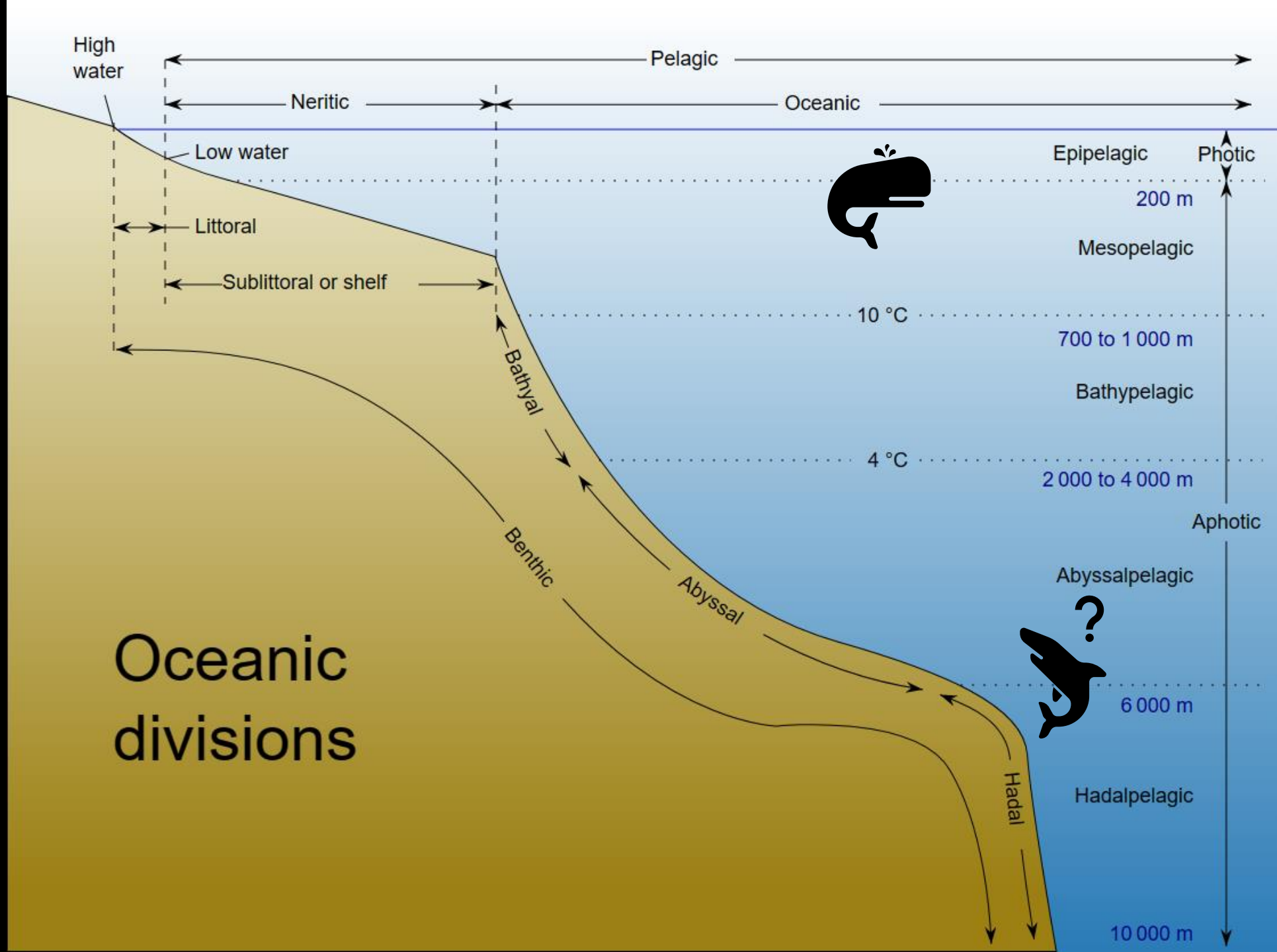
Figures 1 & 3 from Cooper et al., 2022

The extinct shark *Otodus megalodon* was a transoceanic superpredator: Inferences from 3D modeling

Chart comparing possible prey for megalodons



3D model megalodon created in Blender



Oceanic divisions



Drone footage of orca pod attacking and killing a great white shark

© World Wildlife Fund

Thresher shark caught in a fishing net

© Christiaan Stopforth



- Study after study confirms that the megalodon is long gone
- False information can appear believable at a distance
- Accessibility to information & willingness to learn is vital