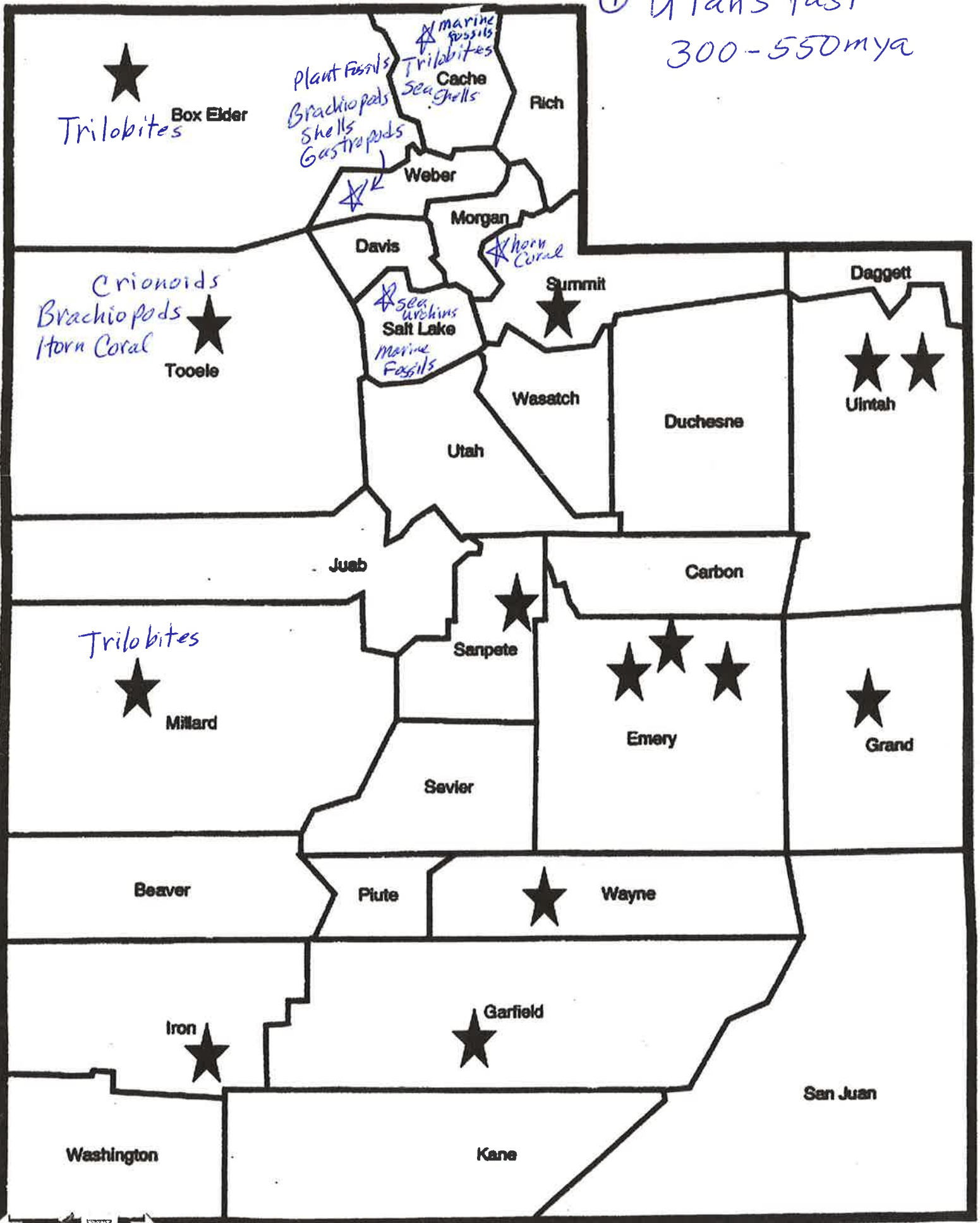


① Utah's Past  
300-550mya



Plant Fossils  
Brachiopods  
Shells  
Gastropods

Marine fossils  
Trilobites  
Sea shells

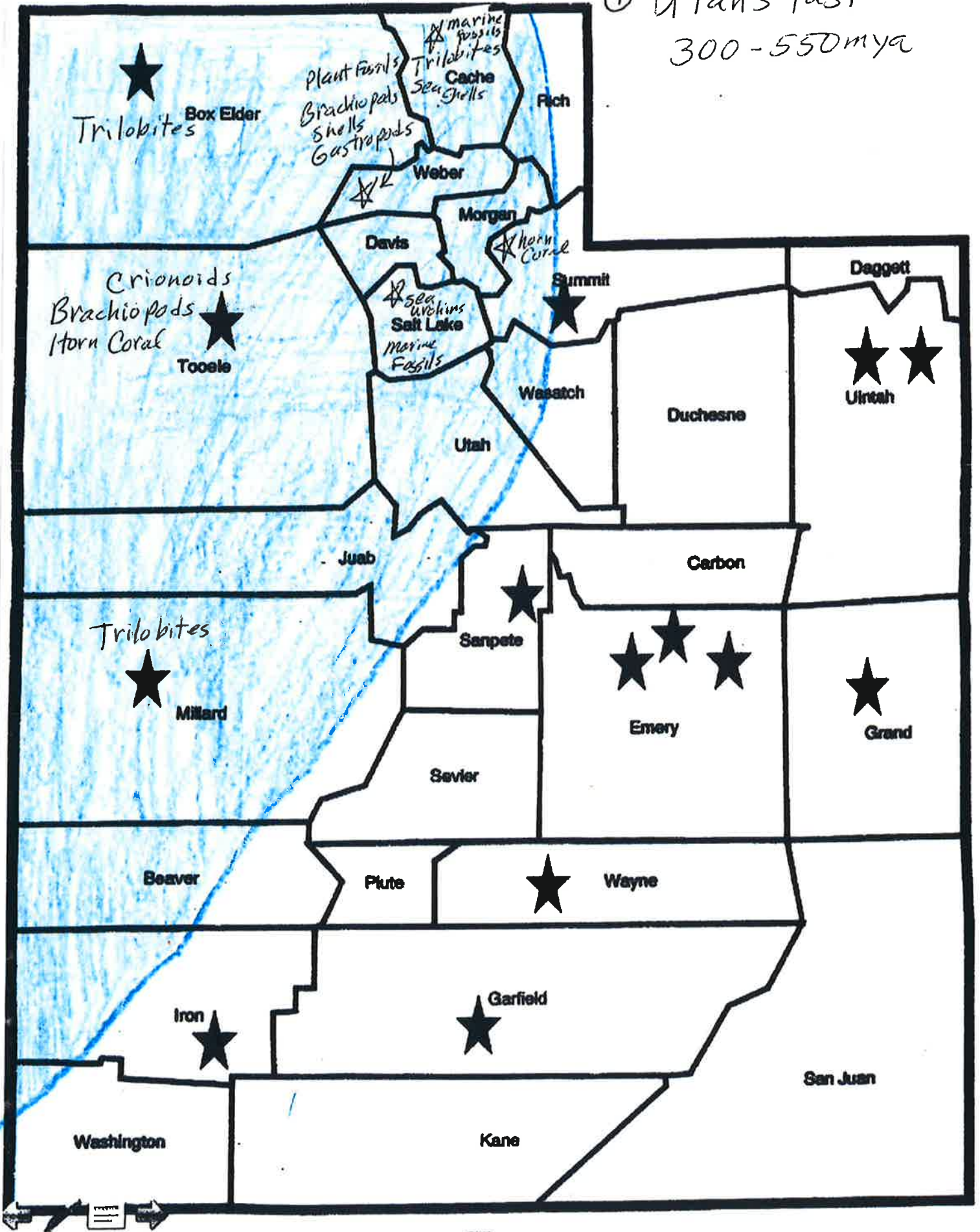
Horn Coral

Sea urchins  
Salt Lake  
Marine Fossils

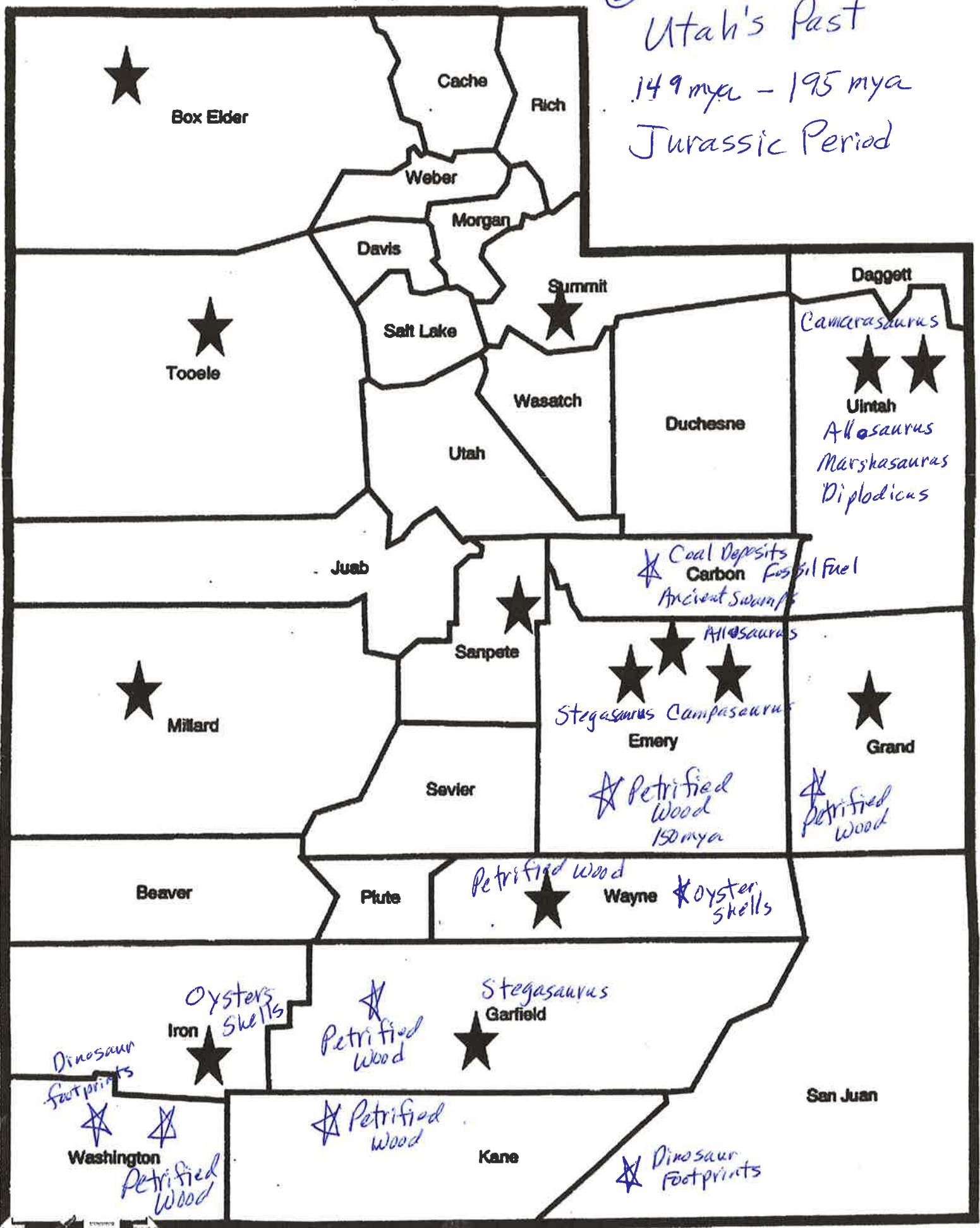
Crinoids  
Brachiopods  
Horn Coral

Trilobites

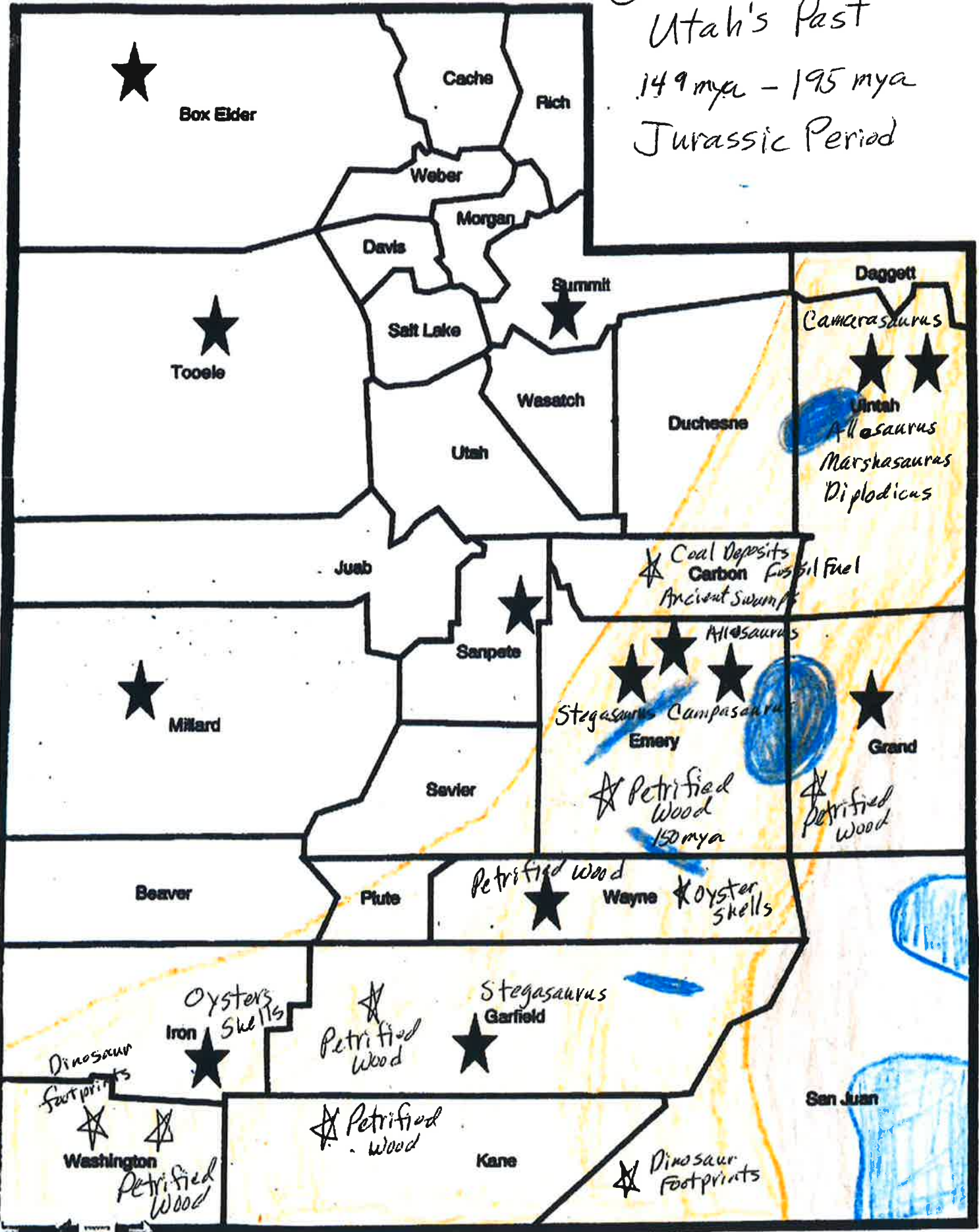
① Utah's Past  
300-550mya



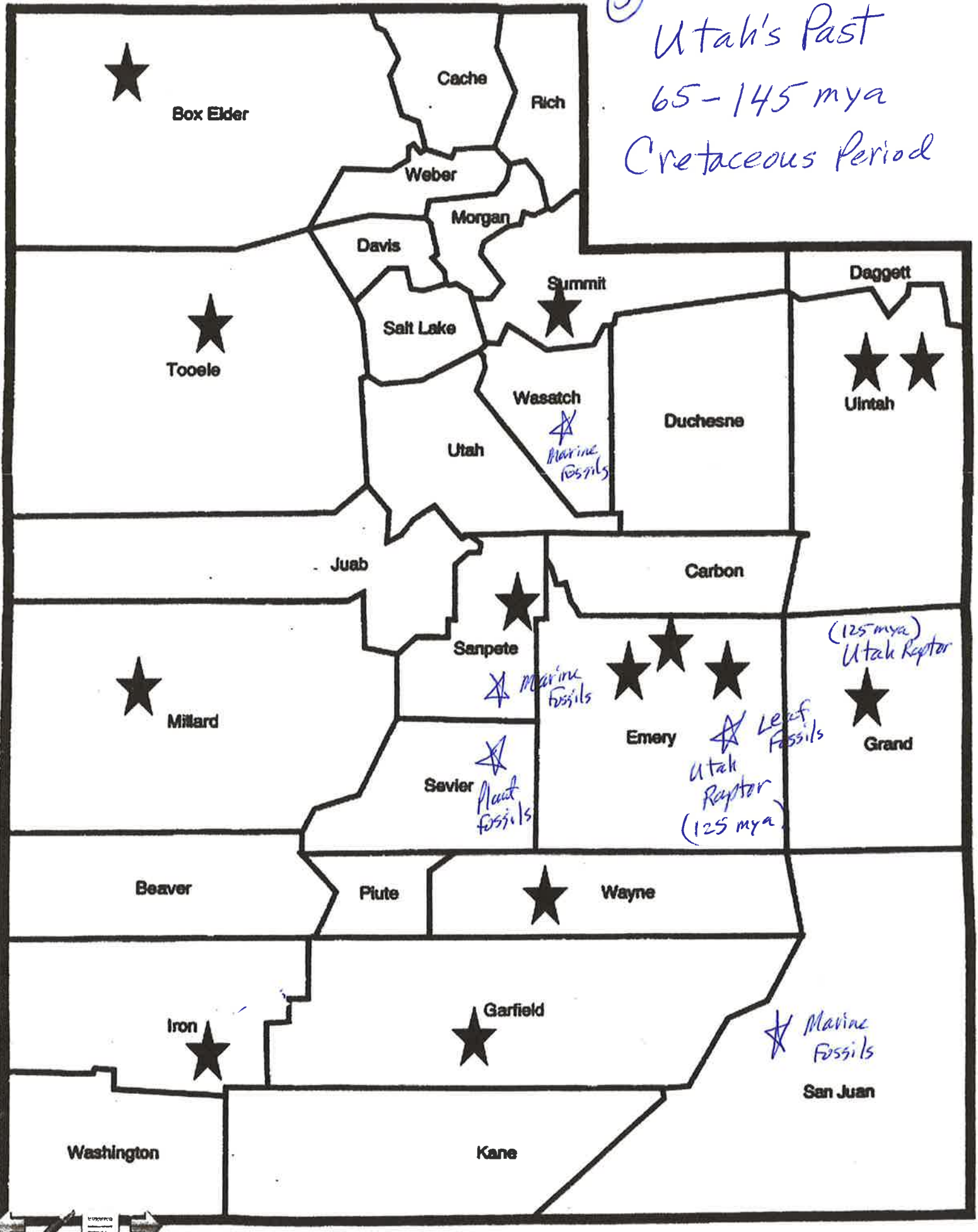
② Utah's Past  
 149 mya - 195 mya  
 Jurassic Period



(2) Utah's Past  
 149 mya - 195 mya  
 Jurassic Period



③ Utah's Past  
65-145 mya  
Cretaceous Period



Box Elder

Cache

Rich

Weber

Morgan

Davis

Salt Lake

Summit

Wasatch

Duchesne

Daggett

Tooele



Uintah

Utah

Marine Fossils

Juab

Carbon



Millard



Sanpete

Marine Fossils



Emery

Leaf Fossils  
Utah Raptor  
(125 mya)

(125 mya)  
Utah Raptor



Grand

Plant Fossils

Sevier

Beaver

Piute



Wayne

Iron



Garfield



Marine Fossils

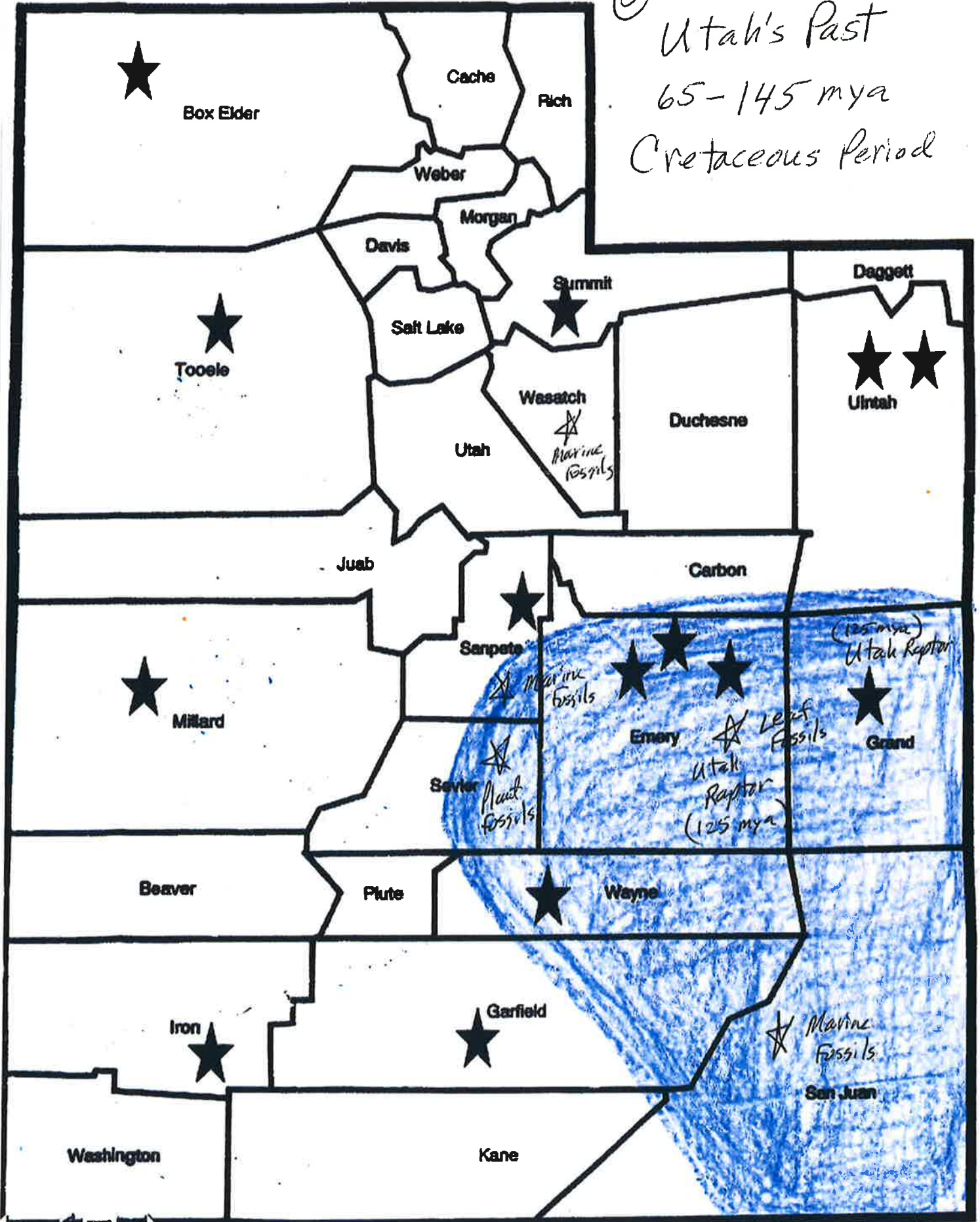
San Juan

Washington

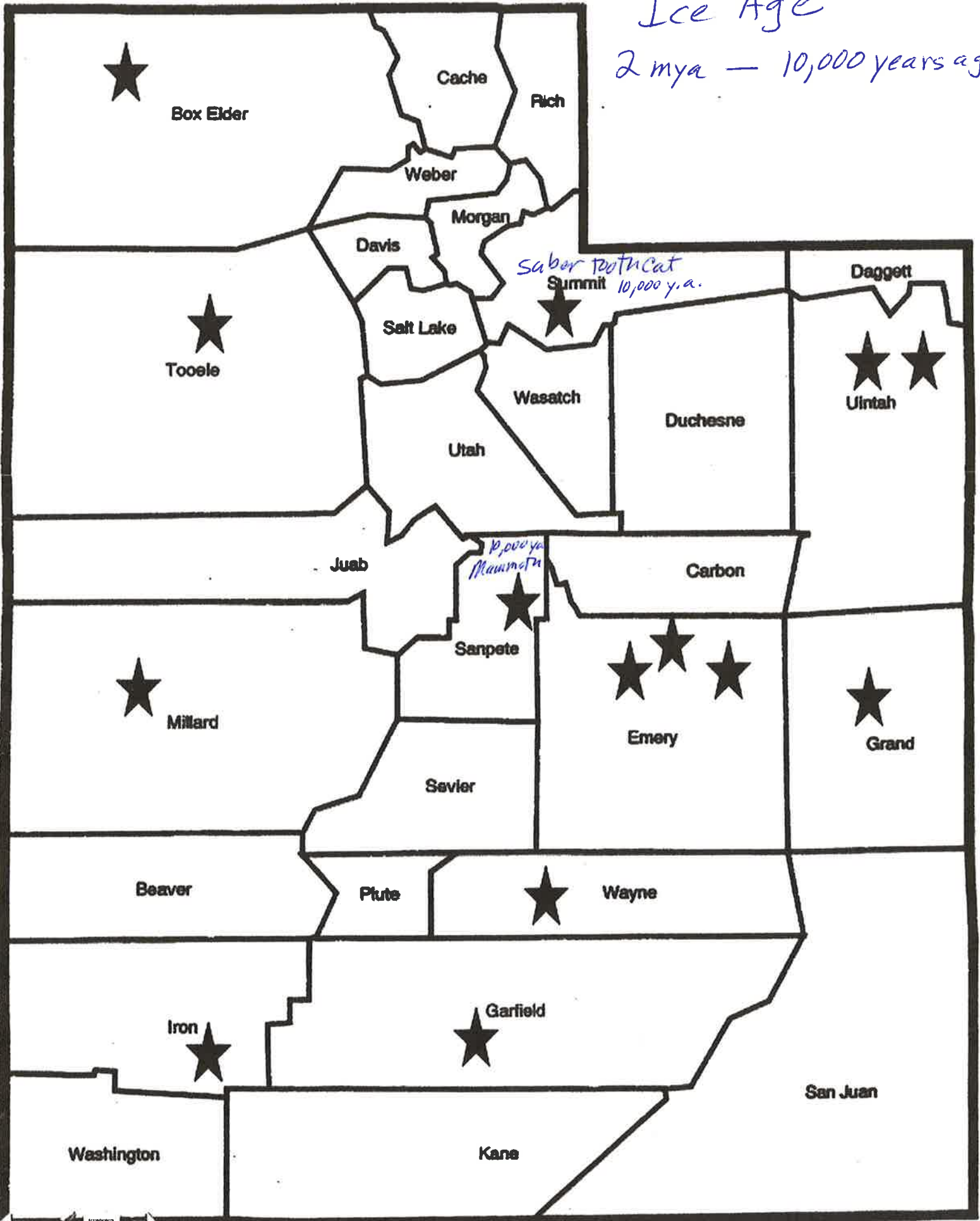
Kane

③

# Utah's Past 65-145 mya Cretaceous Period



④ Ice Age  
2 mya — 10,000 years ago



Box Elder

Cache

Rich

Weber

Morgan

Davis

Salt Lake

Wasatch

Duchesne

Daggett

Tooele



Uintah

Utah

Juab

Carbon

10,000 ya  
Mammoth

Sanpete



Emery



Grand



Millard

Sevier



Wayne

Beaver

Plute

Iron



Garfield

San Juan

Washington

Kane

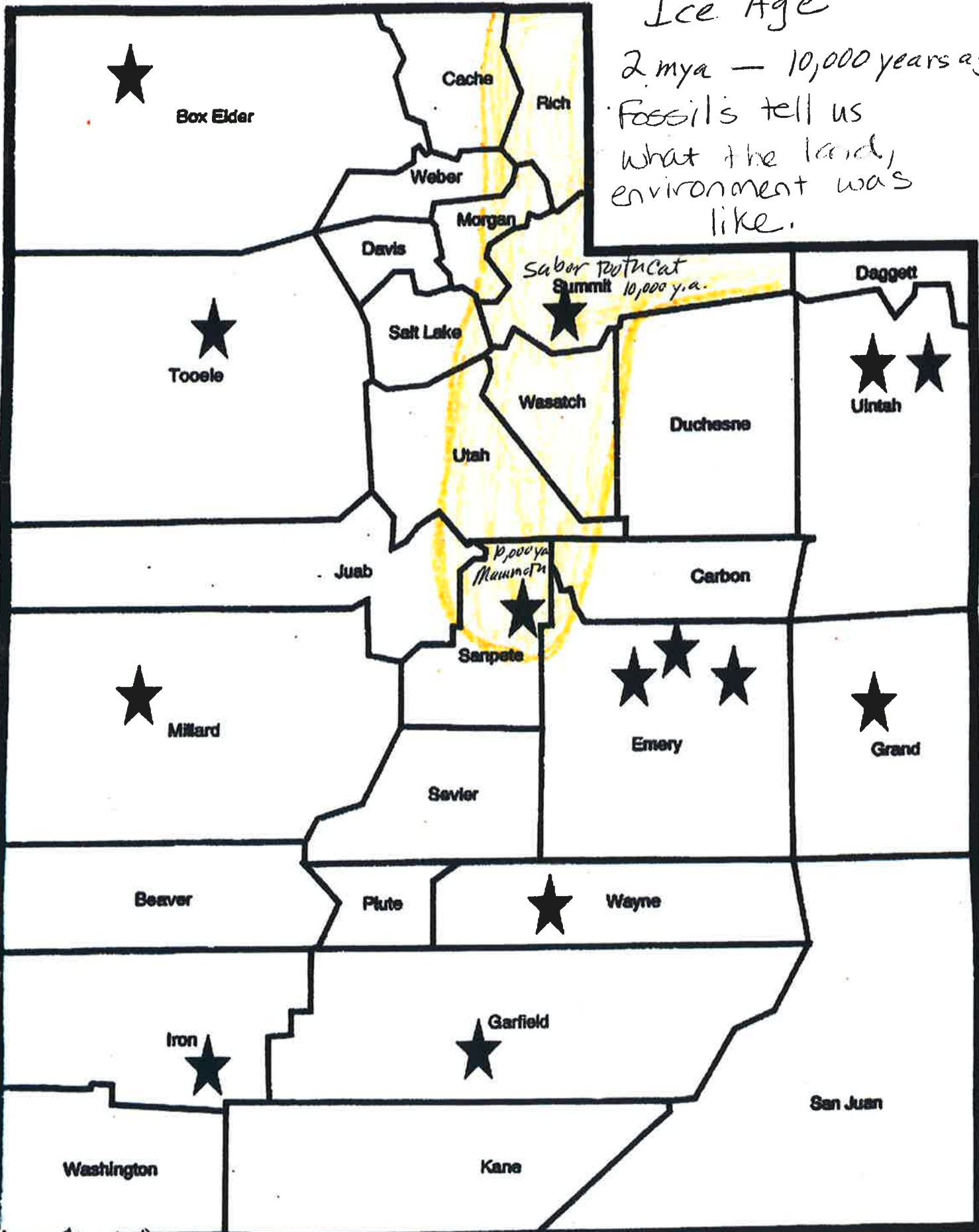




④ Ice Age

2 mya — 10,000 years ago

Fossils tell us what the land, environment was like.



## Descriptions of the Utah Fossils Time Periods

1. 300 mya to 550 mya (Paleozoic Period)
  - a. A warm, shallow ocean covered western Utah nearly to where the Wasatch Mountains are today although they didn't exist then.
  - b. Trilobites, brachiopods, gastropods, seashells, horn coral, marine fossils, and crinoids existed then.
  
2. 149 mya to 195 mya (Jurassic Period)
  - a. A large tropical climate area with many tropical plants and other vegetation. Many swamps and massive forests existed then. There were many lakes and rivers that passed through the areas. This became the land of many dinosaurs. Volcanoes were active at the time. Many volcanoes exploded and covered the trees with volcanic ash and leveled the forests. Eventually the trees became petrified wood.
  - b. Allosaurus, marshasaurus, diplodocus, stegosaurus, and camparsaurus all lived then together. Oysters also made their first appearance then. Even dinosaur footprints can be found at the south end of Utah near the border.
  
3. 65 mya to 145 mya (Cretaceous Period)
  - a. Still a swampy area where there were many tropical plants and vegetation. High mountains started to form in the western part of Utah. An inland sea moved into the eastern part of the state that went from where Washington State is today to the Gulf of Mexico that went against the western mountains.
  - b. Dinosaurs still roamed the land. The Utah Raptor was one of these dinosaurs where their bones are found in Emery and Grand Counties. However they were on their way out of becoming extinct.

4. 10,000 years ago to 2 mya (Ice Age)
  - a. The climate became cold and ice began to form from the north all the way to the middle of Utah. Many animals such as the mammoth, saber tooth cat were forced to migrate southward.
  - b. Some mammoths and saber tooth cats were caught in the ice age cold and froze to death in the ice but became preserved. Later their remains were found.