



God's Grand Design

Exploring Origins in Science and Scripture

Part 10

**How do we
explain the
geological
column?**

“God’s Grand Design” Class — Exploring Origins in Science and Scripture

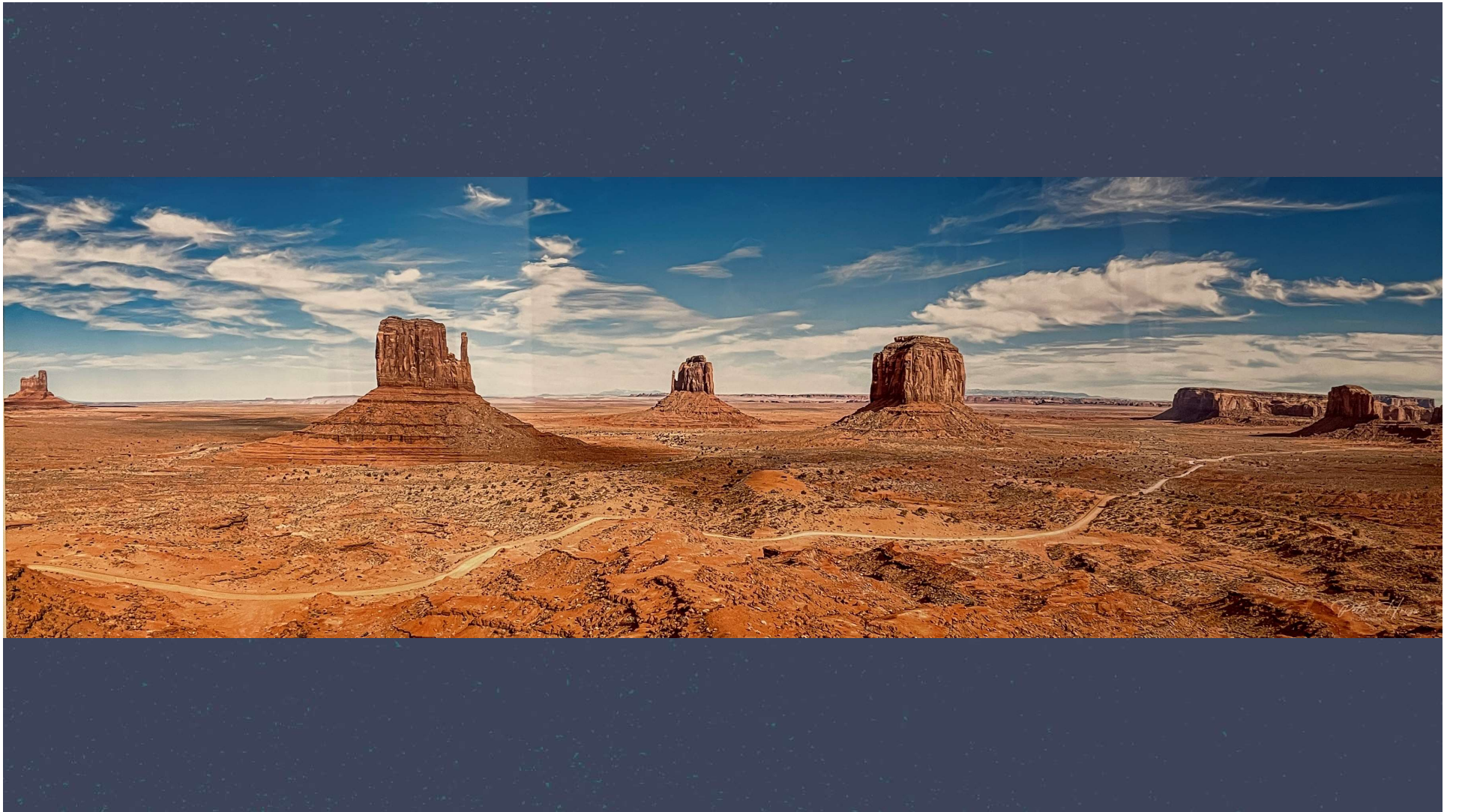
This special class will run twice a month from October to May (Wednesdays at 7:00 p.m. at the church building).

(these events are subject to change, check here for the latest)

| | | Topic | Passage | Notes | Slides | Audio Recording |
|----------|------------------------------|--|--------------|---------------------------------------|--|---|
| 10/4/23 | Class-1 | Why does this topic matter? | Gen. 1:1 | GGD Class 1 Notes.pdf | GGD Class 1 Slides.pdf | GGD Class 1 Recording.m4a |
| 10/11/23 | No Meeting | | | | | |
| 10/18/23 | Class-2 | Where did life come from? | Gen. 1:1-2:3 | GGD Class 2 Notes.pdf | GGD Class 2 Slides.pdf | GGD Class 2 Recording.m4a |
| 10/25/23 | No Meeting | | | | | |
| 11/1/23 | Class-3 | Is the earth a miracle? | Gen. 1:1-2:3 | GGD Class 3 Notes.pdf | GGD Class 3 Slides.pdf | GGD Class 3 Recording.m4a |
| 11/8/23 | No Meeting | | | | | |
| 11/15/23 | Class-4 | Did humans evolve from primates? | Gen. 2:4-25 | GGD Class 4 Notes.pdf | GGD Class 4 Slides.pdf | GGD Class 4 Recording.m4a |
| 11/22/23 | No Meeting (Thanksgiving) | | | | | |
| 11/29/23 | Class-5 | How old is the earth? | Gen. 5 & 11 | GGD Class 5 Notes.pdf | GGD Class 5 Slides.pdf | GGD Class 5 Recording.m4a |
| 12/6/23 | No Meeting | | | | | |
| 12/13/23 | Class-6 | What about radiometric & carbon-14 dating? | Gen. 5 & 11 | GGD Class 6 Notes.pdf | GGD Class 6 Slides.pdf | GGD Class 6 Recording.m4a |
| 12/20/23 | No Meeting | | | | | |
| 12/27/23 | No Meeting (Christmas) | | | | | |
| 1/3/24 | No Meeting (New Year's) | | | | | |
| 1/10/24 | No Meeting | | | | | |
| 1/17/24 | Class-7 | What about the distant starlight problem? | Gen. 1:14-19 | GGD Class 7 Notes.pdf | GGD Class 7 Slides.pdf | GGD Class 7 Recording.m4a |
| 1/24/24 | No Meeting | | | | | |
| 1/31/24 | Class-8 | What did Charles Darwin actually see? | Gen. 1:1-2:3 | GGD Class 8 Notes.pdf | GGD Class 8 Slides.pdf | GGD Class 8 Recording.m4a |
| 2/7/24 | No Meeting | | | | | |
| 2/14/24 | No Meeting (Valentine's Day) | | | | | |
| 2/21/24 | No Meeting | | | | | |
| 2/28/24 | Class-9 | Was there a global flood? | Gen. 5-9 | GGD Class 9 Notes.pdf | GGD Class 9 Slides.pdf | GGD Class 9 Recording.m4a |
| 3/6/24 | No Meeting | | | | | |
| 3/13/24 | Class 10 | How do we explain the geologic column? | Gen. 5-9 | | | |

2 Peter 3:5-7

For they deliberately overlook this fact, that the heavens existed long ago, and the earth was formed out of water and through water by the word of God, 6 and that by means of these the world that then existed was deluged with water and perished. 7 But by the same word the heavens and earth that now exist are stored up for fire, being kept until the day of judgment and destruction of the ungodly.



Get on the class email list:

josh@trc.life

Movie Night:

The Ark and the Darkness

Megaplex Theatres - The District

11400 South Bangerter Highway,

South Jordan, UT

Wed. Mar 20 at 7:00 PM

Two Theories of Origins

**View #1 – God created the heavens and the earth.
(in six days, thousands of years ago)**

**View #2 – The heavens and earth evolved without
God. (millions and billions of years ago)**

Flood: There was a time when the entire world was covered with water as the result of a year-long Flood. This was a judgment from God on all human and land dwelling life. It resulted in the death of all humans (and animals) who were not in the Ark during the Flood (**Genesis 6-9**).

trc.life/flood

Geology: the study of the earth's physical structures, it's history and the processes that form them.



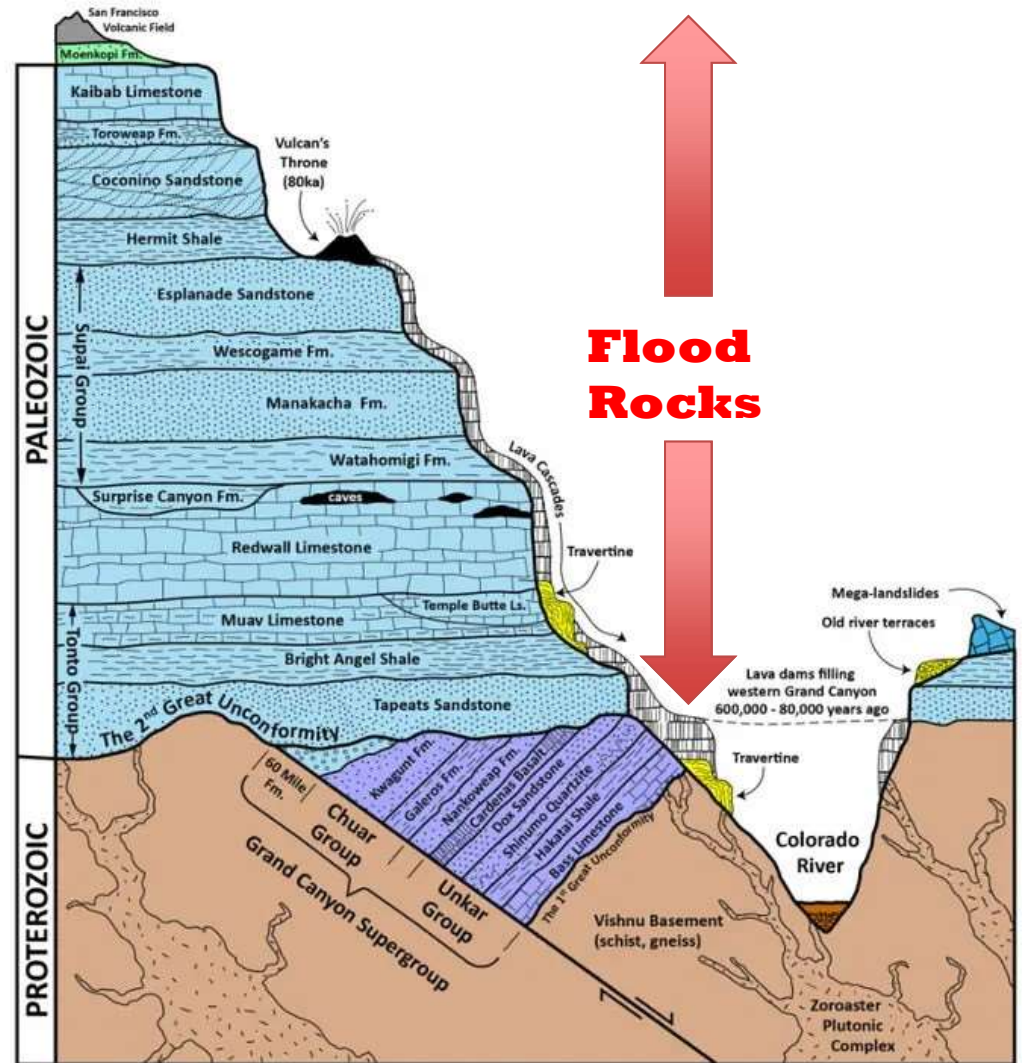
| View #1 - Creation View | View #2 - Evolutionary View |
|--|---|
| A one year Global Flood happened about 4,500 years ago. | A Global Flood never happened. |
| The earth's surface was shaped by sudden, violent, and catastrophic processes. | The earth's surface was shaped by slow, gradual processes over 4.5 billion years. |
| Catastrophism | Uniformitarianism |
| The past (the Flood) is the key to the present. | The present is the key to the past |
| Lots of water, little time | Lots of time, little water |



Geological Column: the representation of the layers of rock that make up the earth's crust.

Flood Boundary →

Creation Rocks ↓



| EON | ERA | PERIOD | EPOCH | Ma | | |
|-------------|---------------------------------|---------------------------------|-------------|-------------------------------------|---------------------------------------|-------------------------------------|
| Phanerozoic | Cenozoic | Quaternary | Holocene | 0.011 | | |
| | | | Pleistocene | Late 0.8 Early 2.4 | | |
| | | Tertiary | Neogene | Pliocene | Late 2.4 Early 3.6 | |
| | | | | Miocene | Late 5.3 Middle 11.2 Early 16.4 | |
| | | | | | Oligocene | Late 23.0 Early 28.5 |
| | | | | | | Eocene |
| | | | | Paleogene | Paleocene | |
| | | | Mesozoic | | Cretaceous | Late 65.5 Early 99.6 |
| | | | | | | Jurassic |
| | | | | Triassic | Late 200 Middle 228 Early 245 | |
| | Paleozoic | | | | Permian | Late 251 Middle 260 Early 271 |
| | | | | Pennsylvanian | | Late 299 Middle 306 Early 311 |
| | | Mississippian | | | | Late 318 Middle 326 Early 345 |
| | Cambrian | | Devonian | Late 359 Middle 385 Early 397 | | |
| | | Silurian | | Late 416 Early 419 Middle 423 | | |
| | | | Ordovician | Late 428 Middle 444 Early 488 | | |
| | | Cambrian | | Late 488 Middle 501 Early 513 | | |
| | | | Precambrian | Proterozoic | Late Neoproterozoic (Z) 542 | |
| | | Middle Mesoproterozoic (Y) 1000 | | | | |
| | Early Paleoproterozoic (X) 1600 | | | | | |
| | Archean | Late 2500 | | | | |
| | | Early 3200 | | | | |
| | Hadaean | Archean | 3200 | | | |
| | | | 4000 | | | |

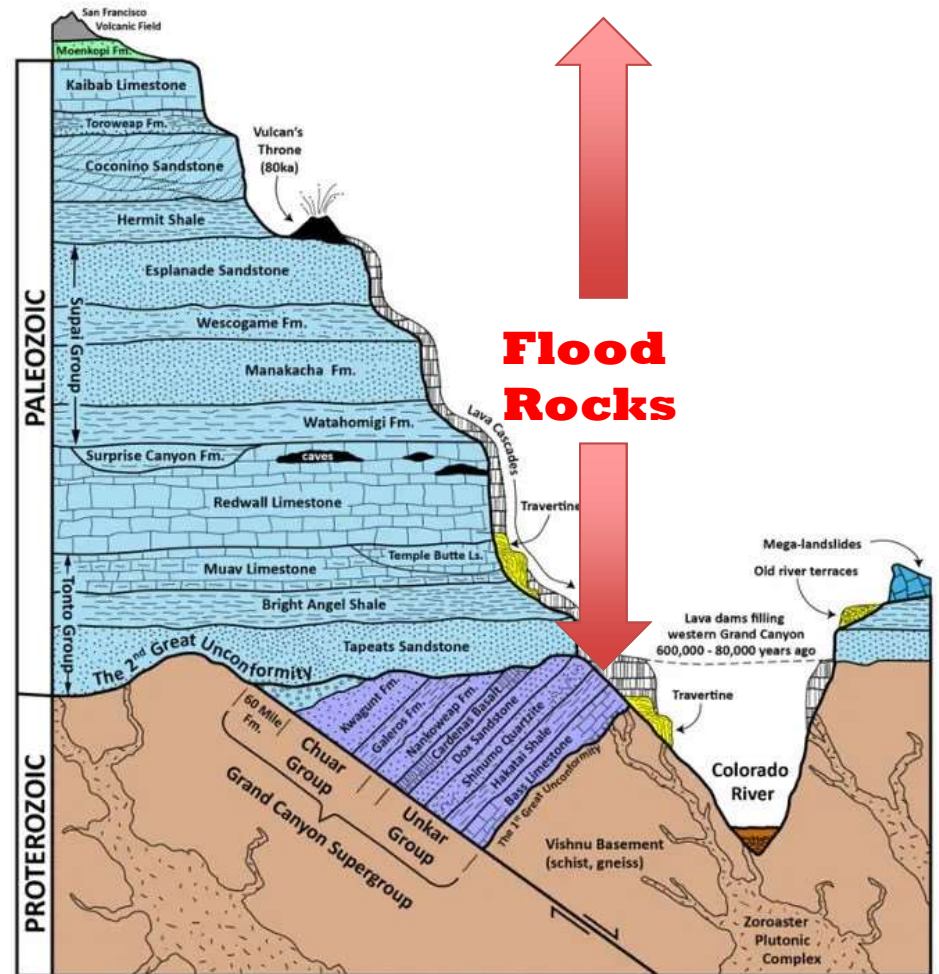
Part 6

**What about
radiometric and
carbon-14
dating?**

1. Igneous rocks
2. Metamorphic rocks
3. Sedimentary rocks

Flood Boundary →

↓
**Creation
Rocks**



Sedimentary rock:

typically composed of sediment like mud, sand and gravel that has changed into rock, primarily formed under water.

OBSERVATIONS:

70-75% of the planet is covered with ~ 1 mile of sedimentary rock.

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https://www.youtube.com/watch?v=SuNfbEDMOQs&ab_channel=StMarysScience

0:07 - 2:15

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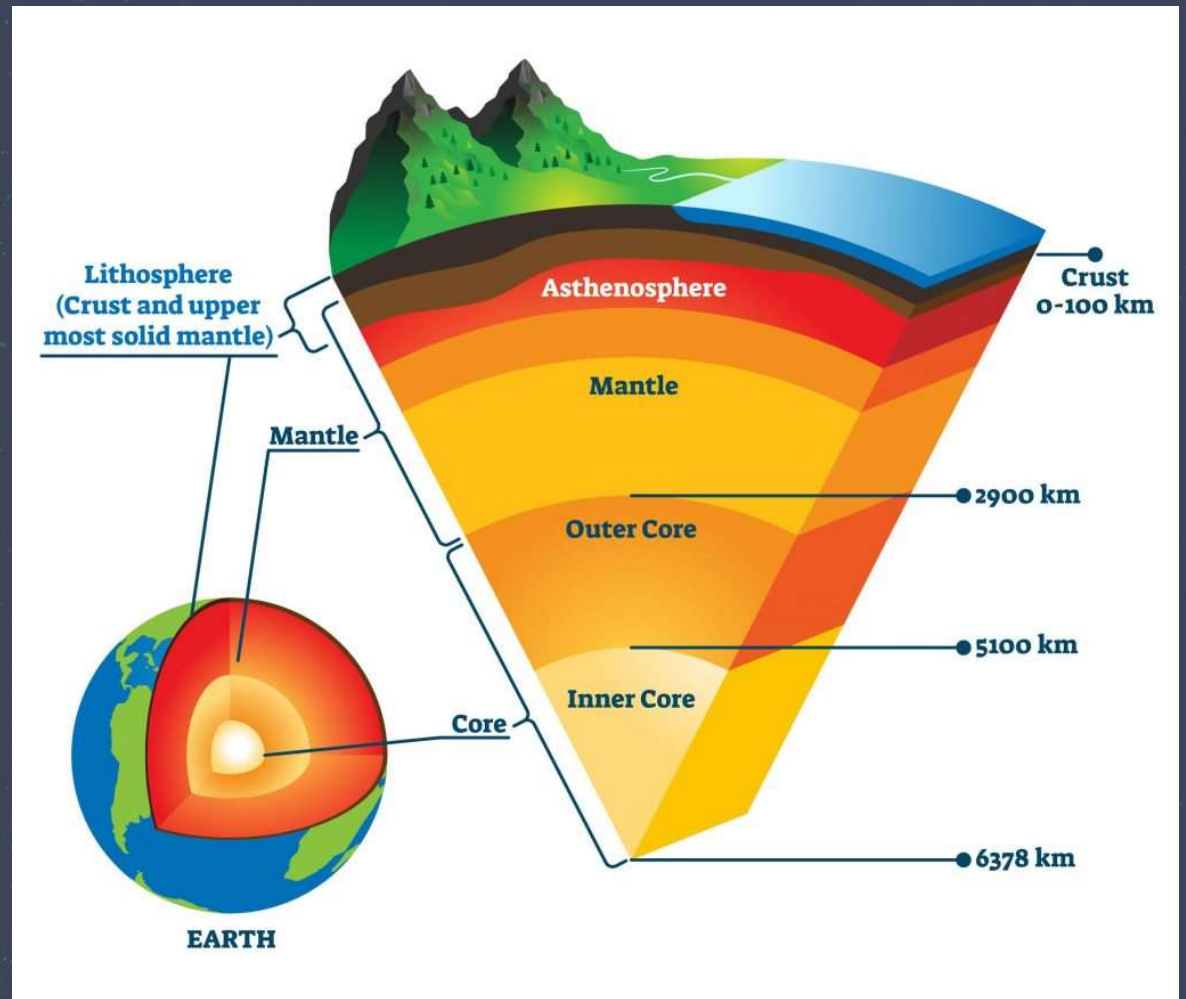
Russian Kola
Superdeep
Borehole
7.6 miles deep



Earth's Radius:
3,958.8 miles

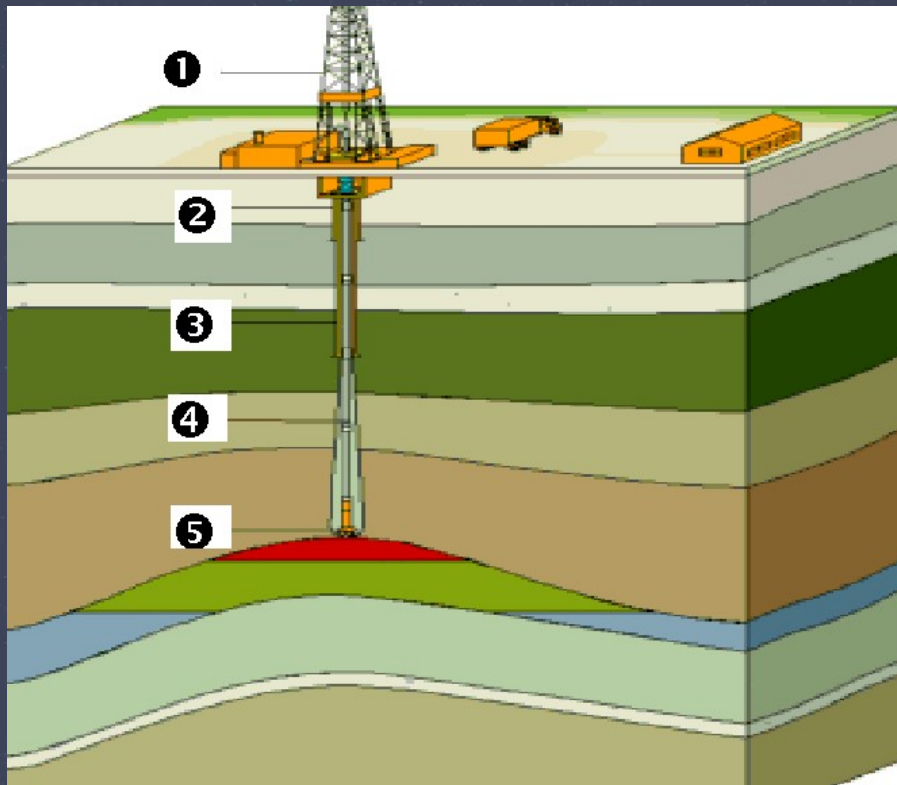
Deepest boring:
7.6 miles deep

0.2%



Oil and Gas Companies

Average Depth - 7,800 feet



Sedimentary rock:

typically composed of sediment like mud, sand and gravel that has changed into rock, primarily formed under water.

OBSERVATIONS:

70-75% of the planet is covered with ~ 1 mile of sedimentary rock.

Geological Laws

A. Super position

B. Lateral Continuity

C. Original Horizontality

D. Cross-cutting relationships

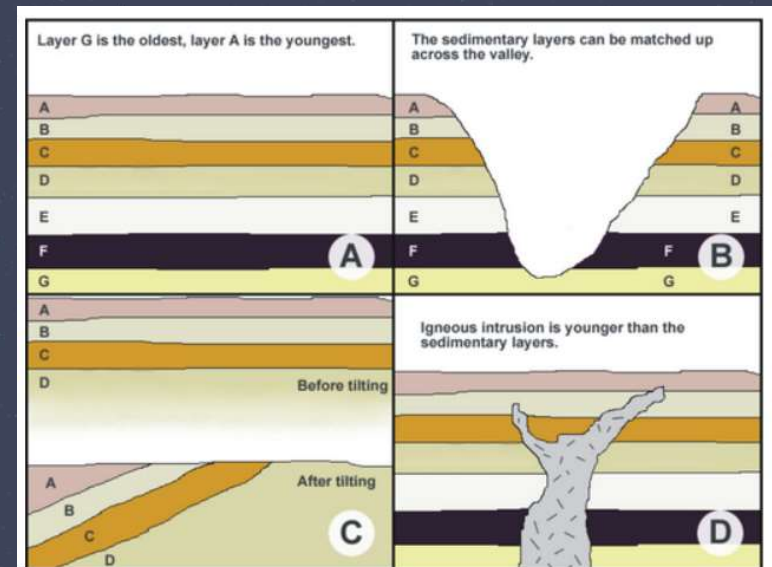


Figure 11.18: Illustration of Steno's Laws.

Utah and Colorado

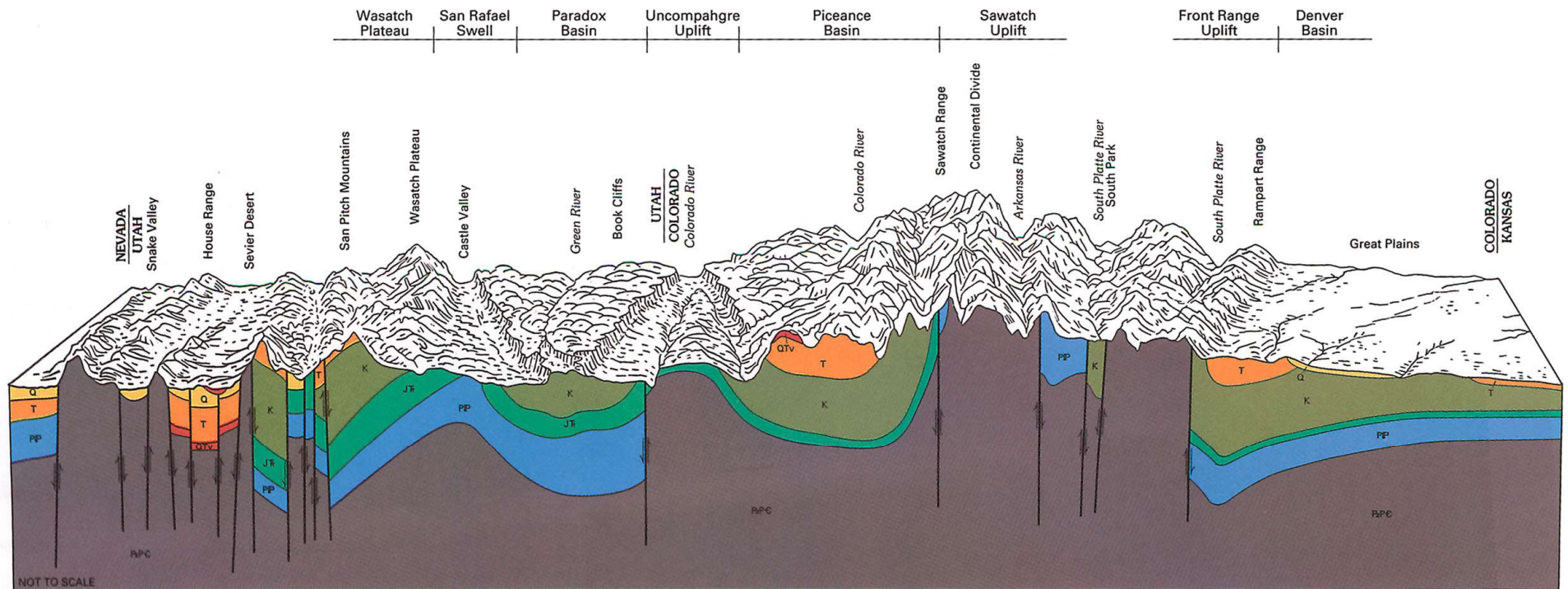
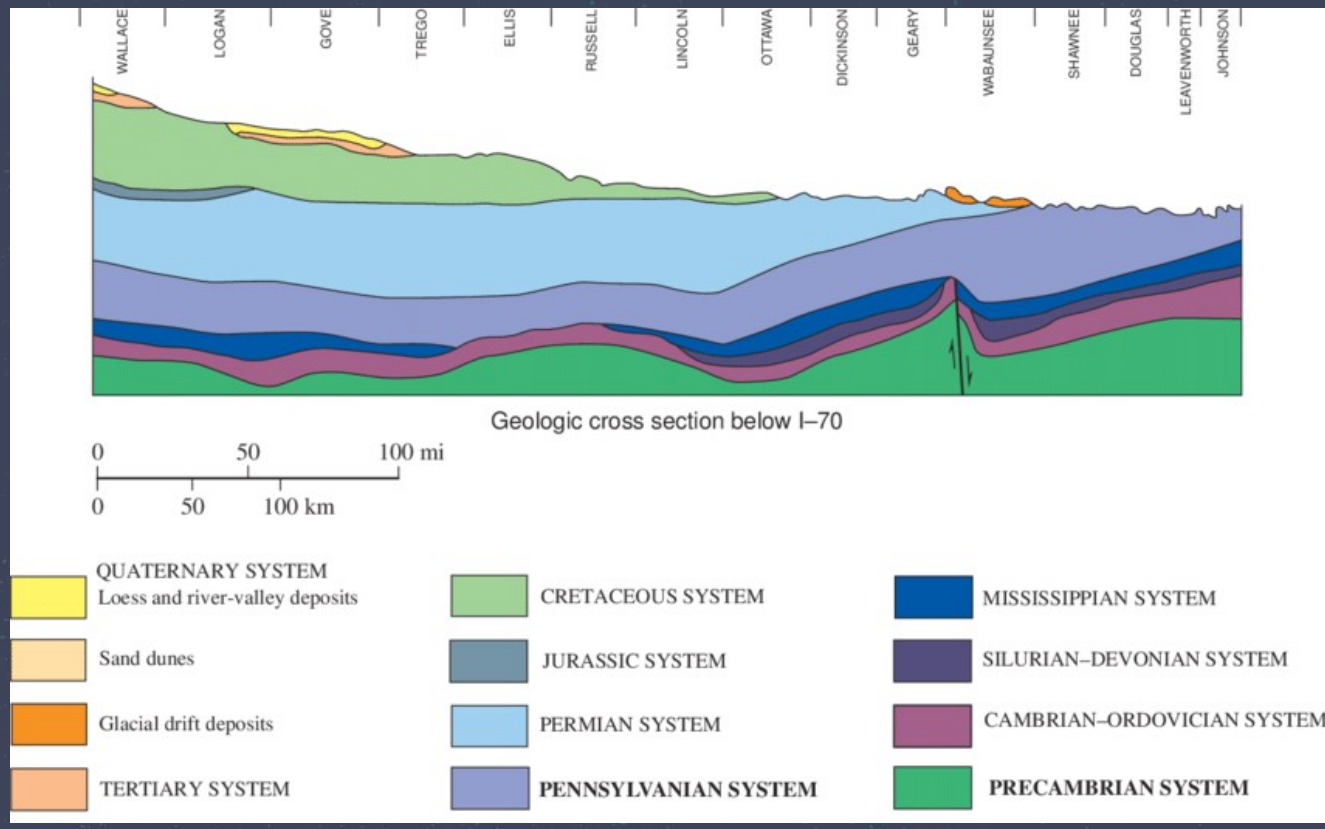
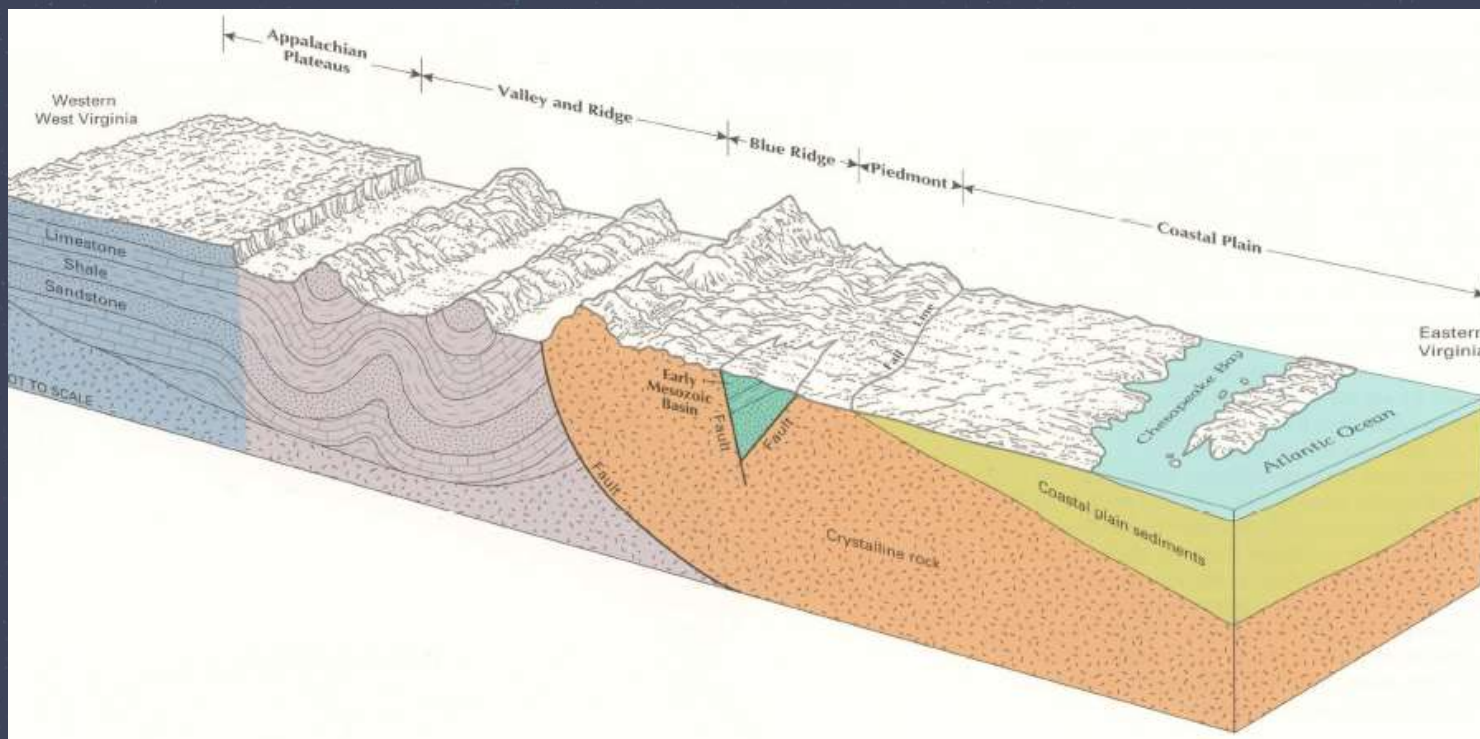


Figure 13. This idealized block diagram of northern Utah and Colorado shows the configuration of the land surface and its relation to the generalized subsurface geology.

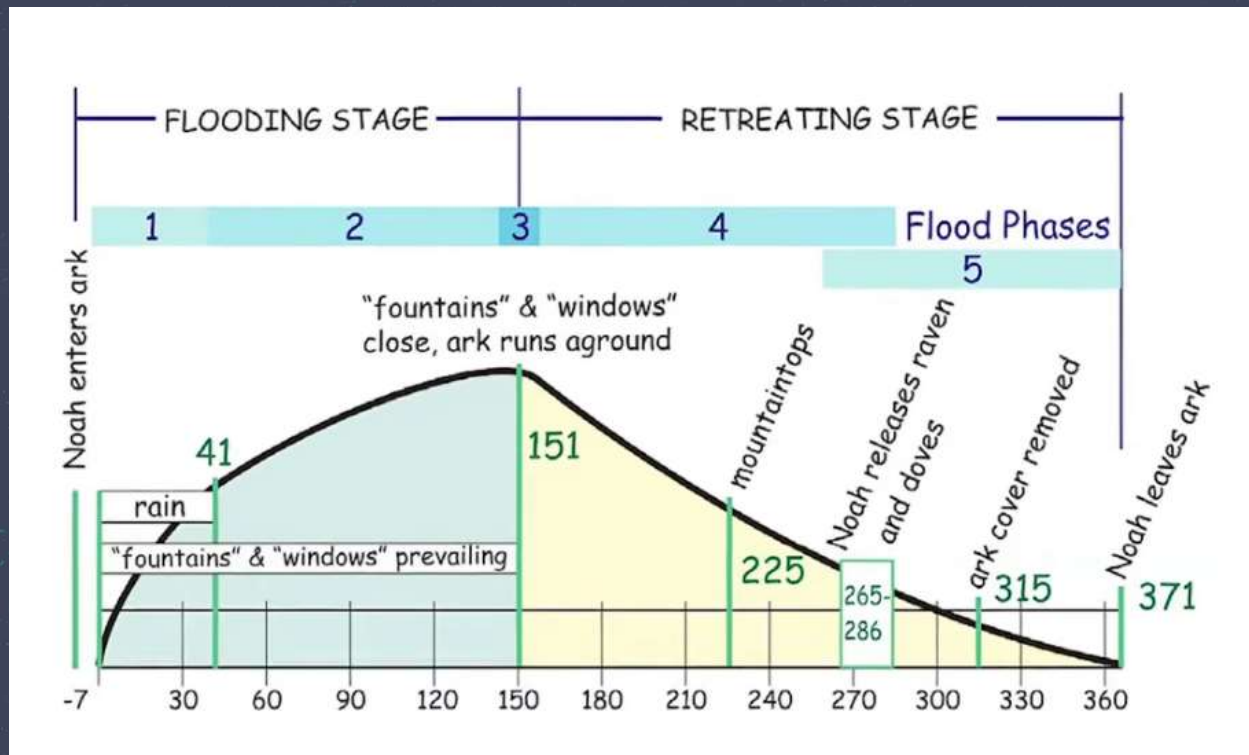
Kansas



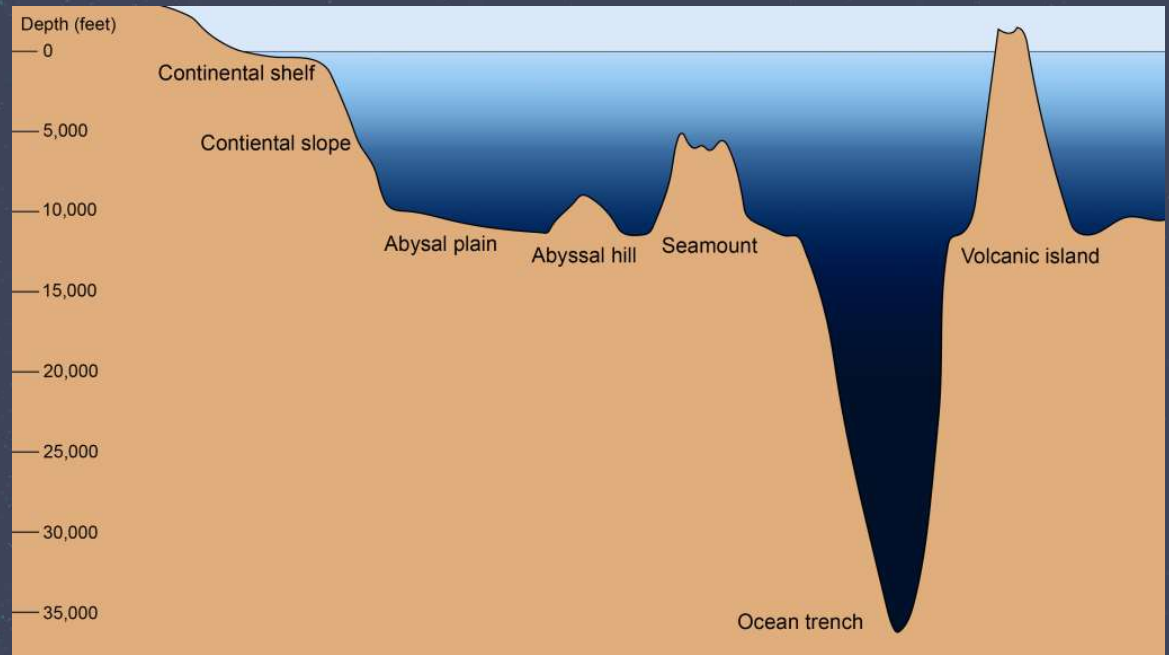
Virginia

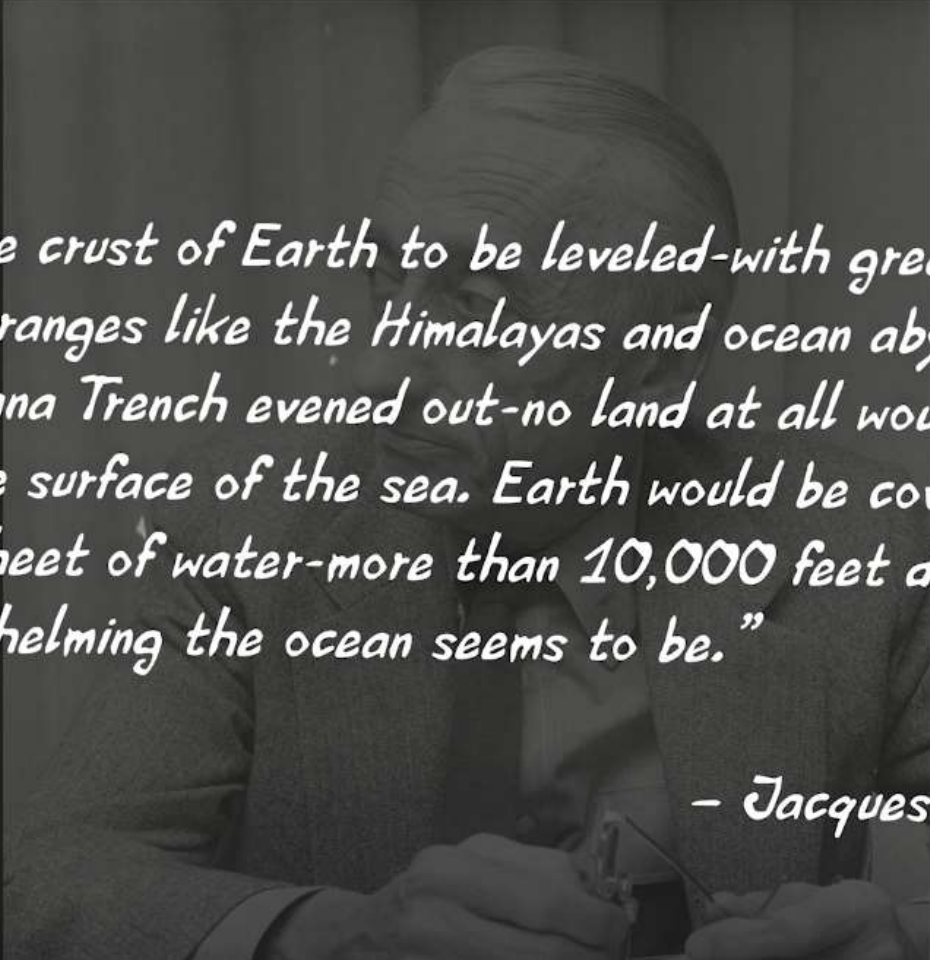


Global Flood Model (Genesis 6-9)



Is there enough water?
9,000 feet of water!





“Were the crust of Earth to be leveled-with great mountain ranges like the Himalayas and ocean abysses like the Mariana Trench evened out-no land at all would show above the surface of the sea. Earth would be covered by a uniform sheet of water-more than 10,000 feet deep! So overwhelming the ocean seems to be.”

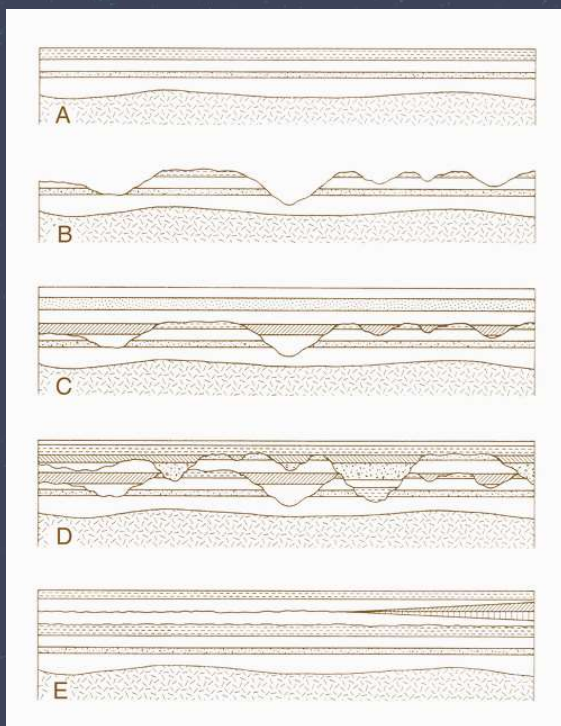
- Jacques Cousteau

https://www.youtube.com/watch?v=UM82qxxskZE&t=701s&ab_channel=IsGenesisHistory%3F

4:22-11:29

Evidence for a Global Flood:

A. Lack of erosion between layers.

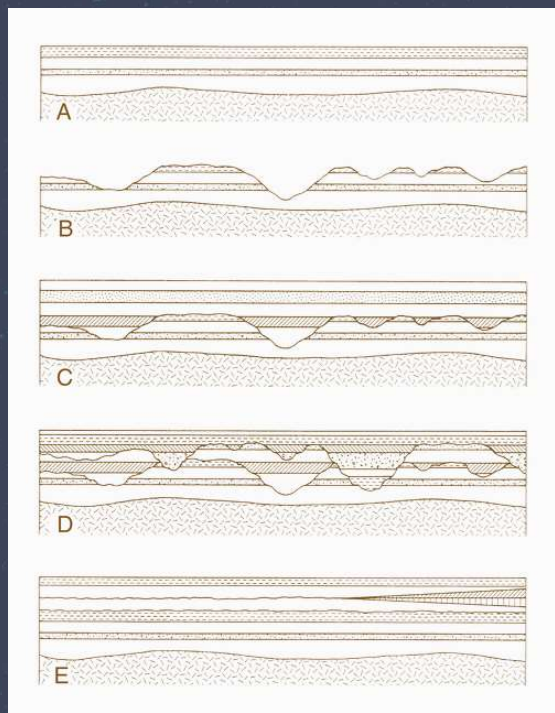


Canyonlands National Park



Evidence for a Global Flood:

A. Lack of erosion between layers.

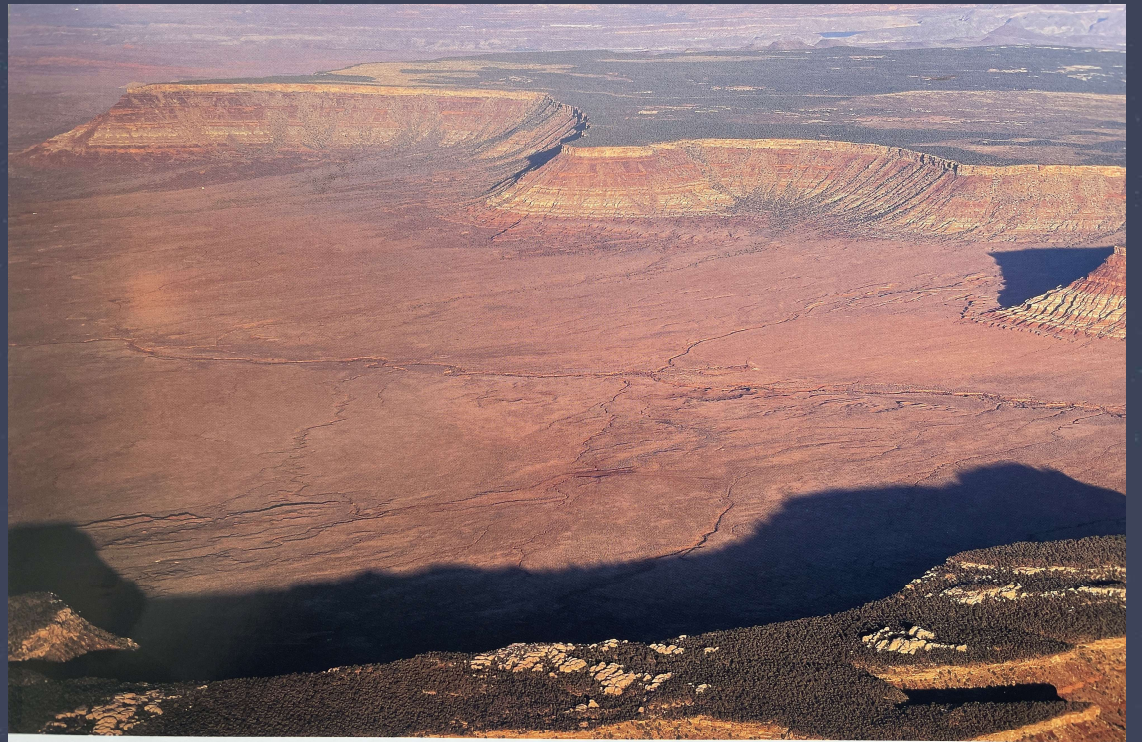


Hill of Seven Colors in Argentina

Notice the “knife edge” between the layers.



Chocolate Cliffs



Chocolate Cliffs

Southeast of the town of Hurricane

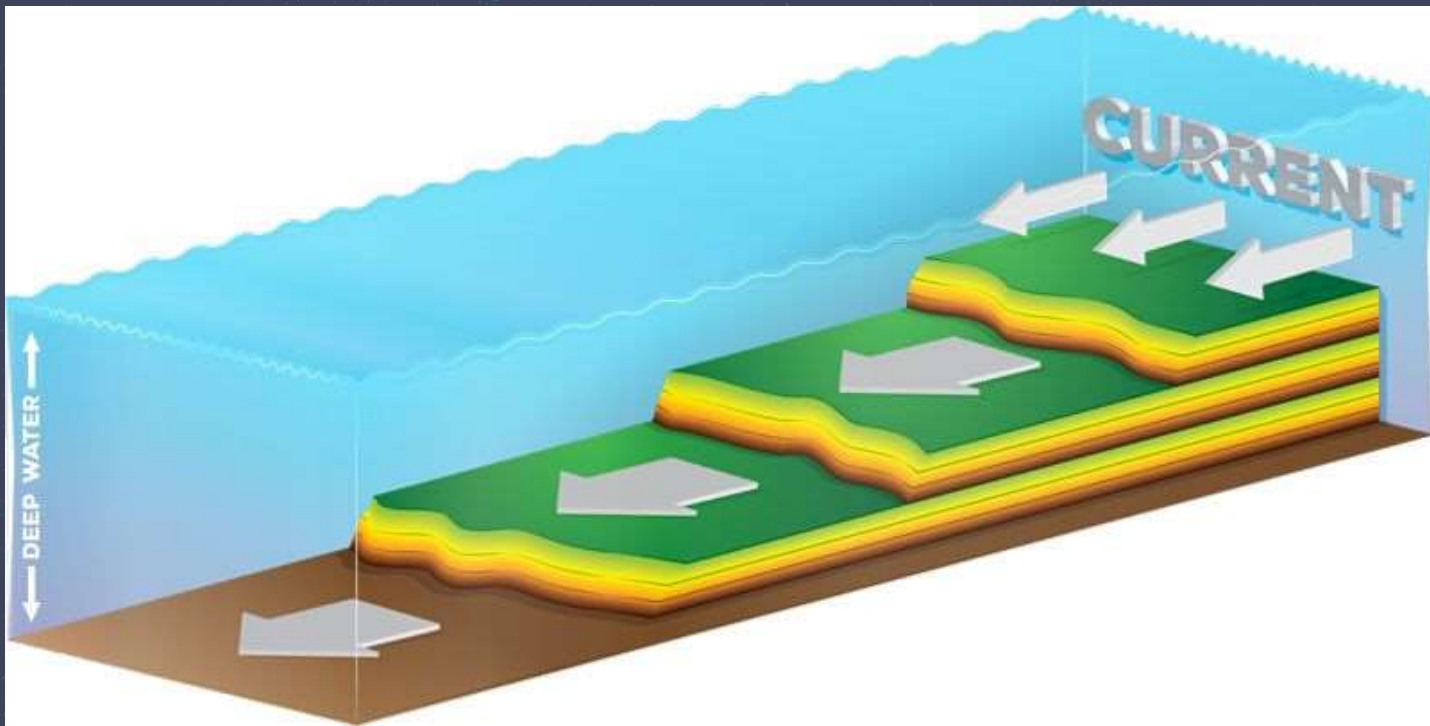
The lack of bioturbation between the layers.
(the disturbance of the layers by living organisms)



Grand Canyon National Park

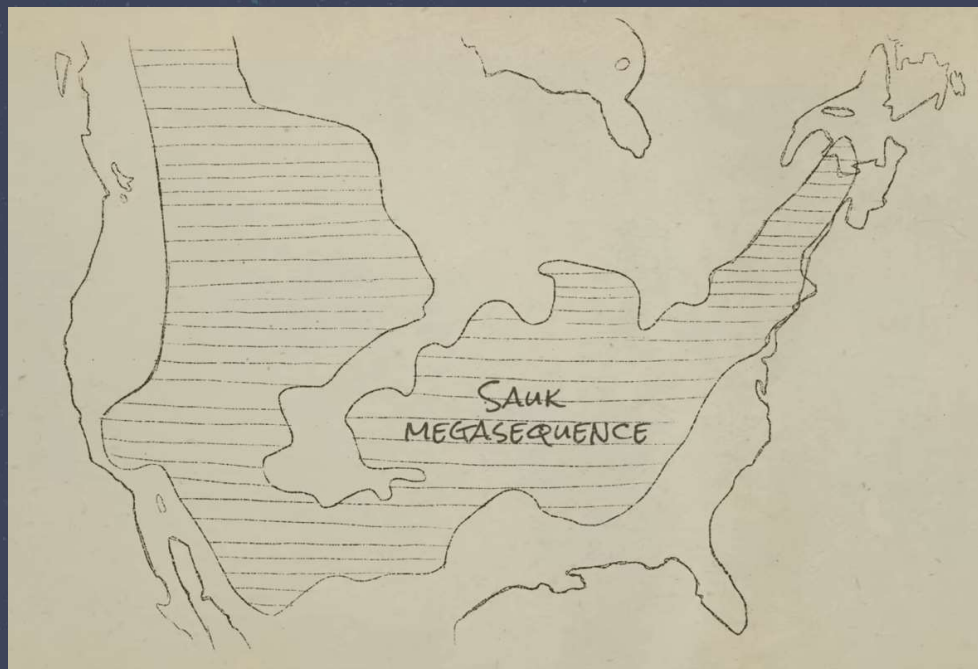


Layers deposited rapidly in the flood with no time for erosion between layers.



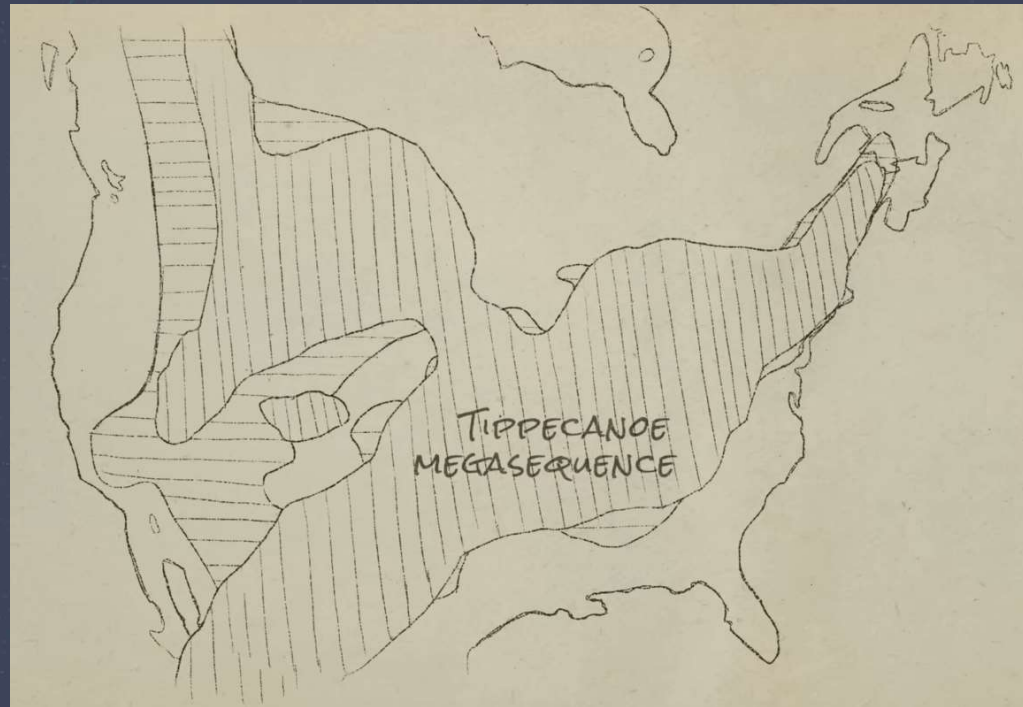
Evidence for a Global Flood:

B. Continental wide layers.



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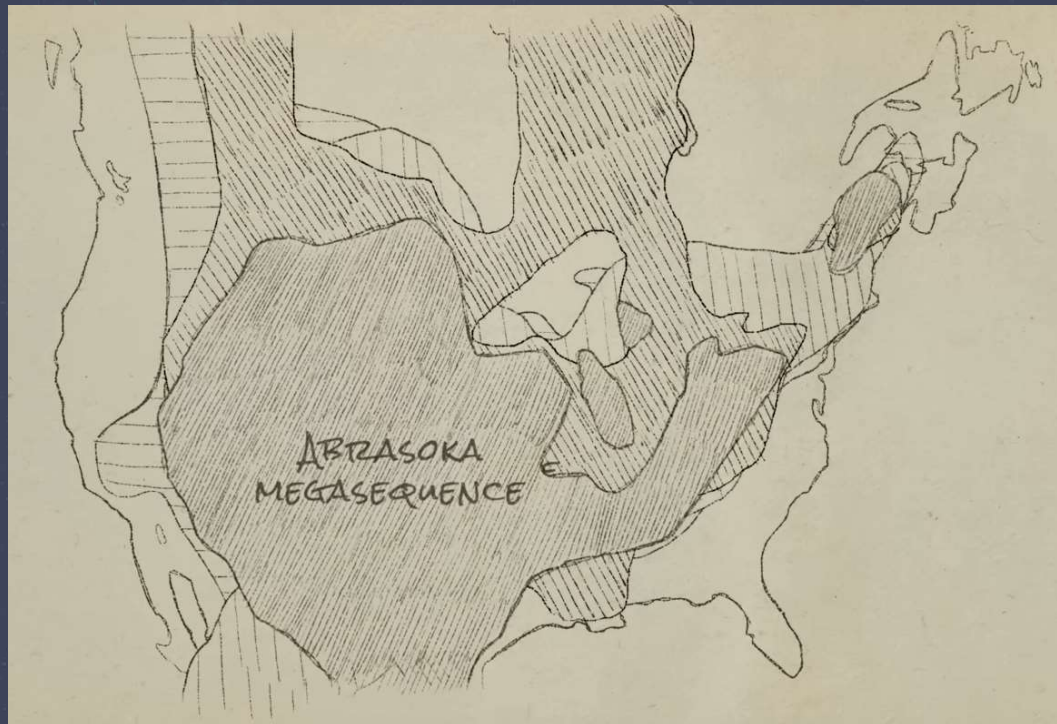
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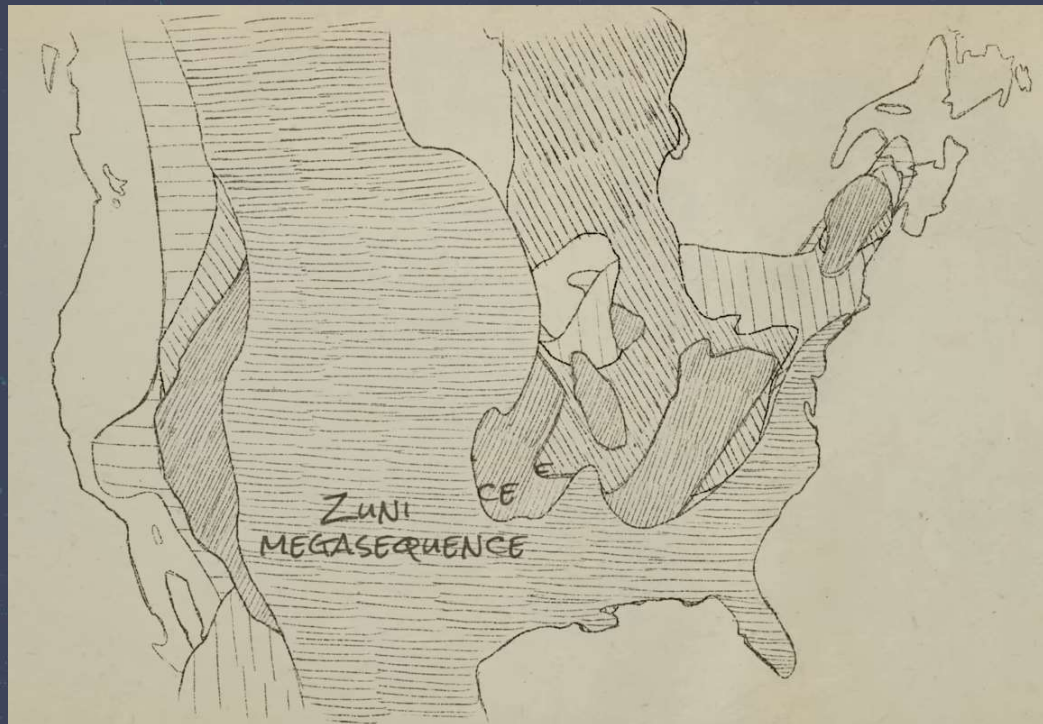
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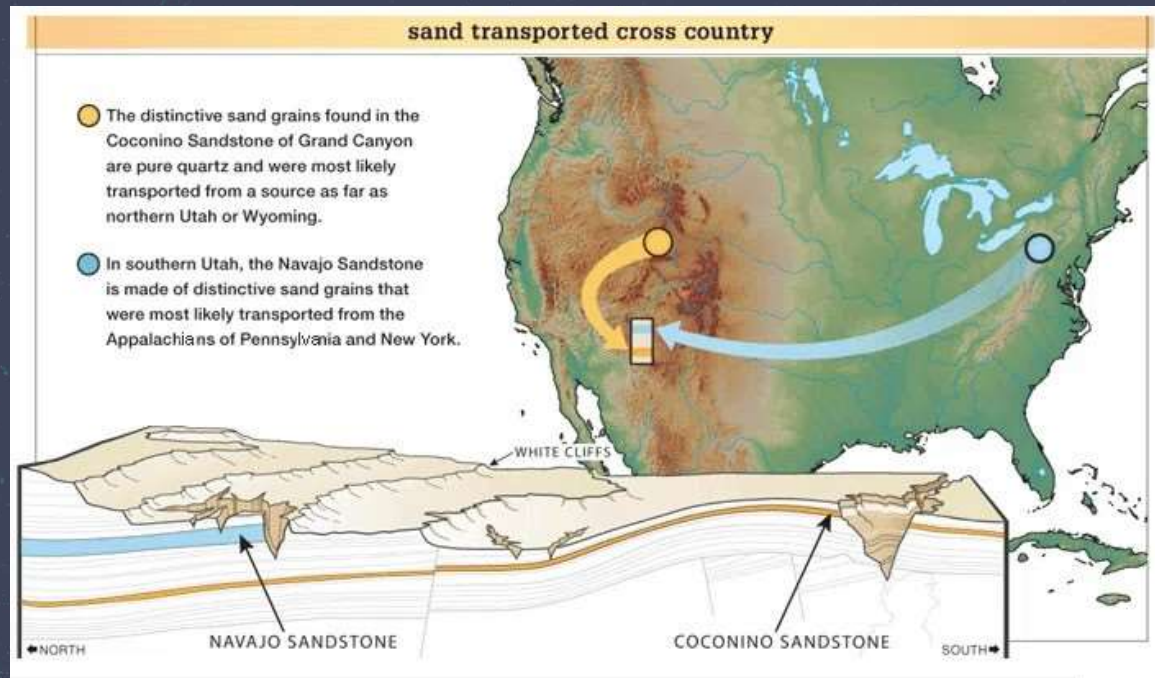
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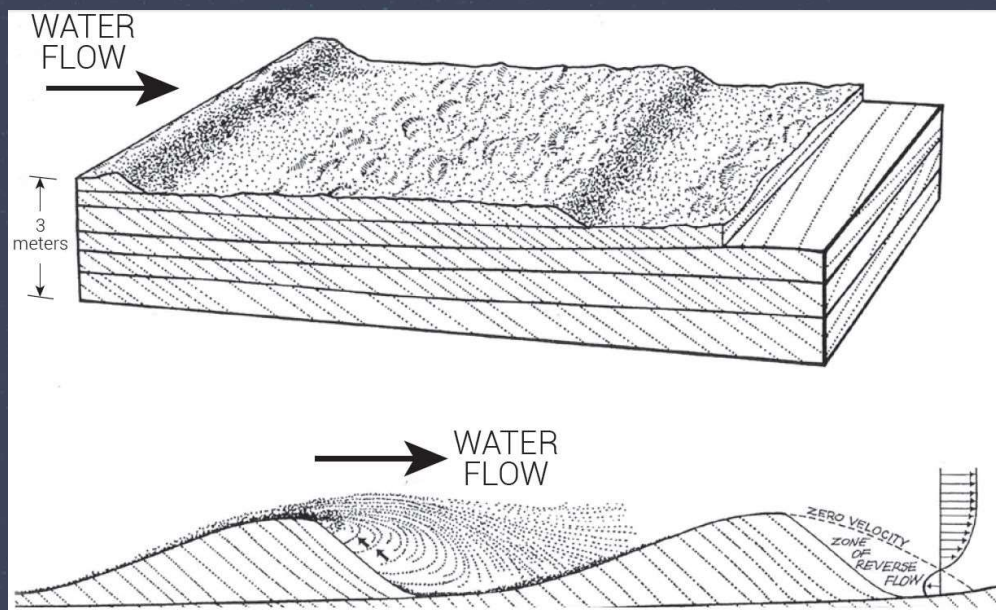
Evidence for a Global Flood:

B. Continental wide layers.



Evidence for a Global Flood:

C. Cross bedding.



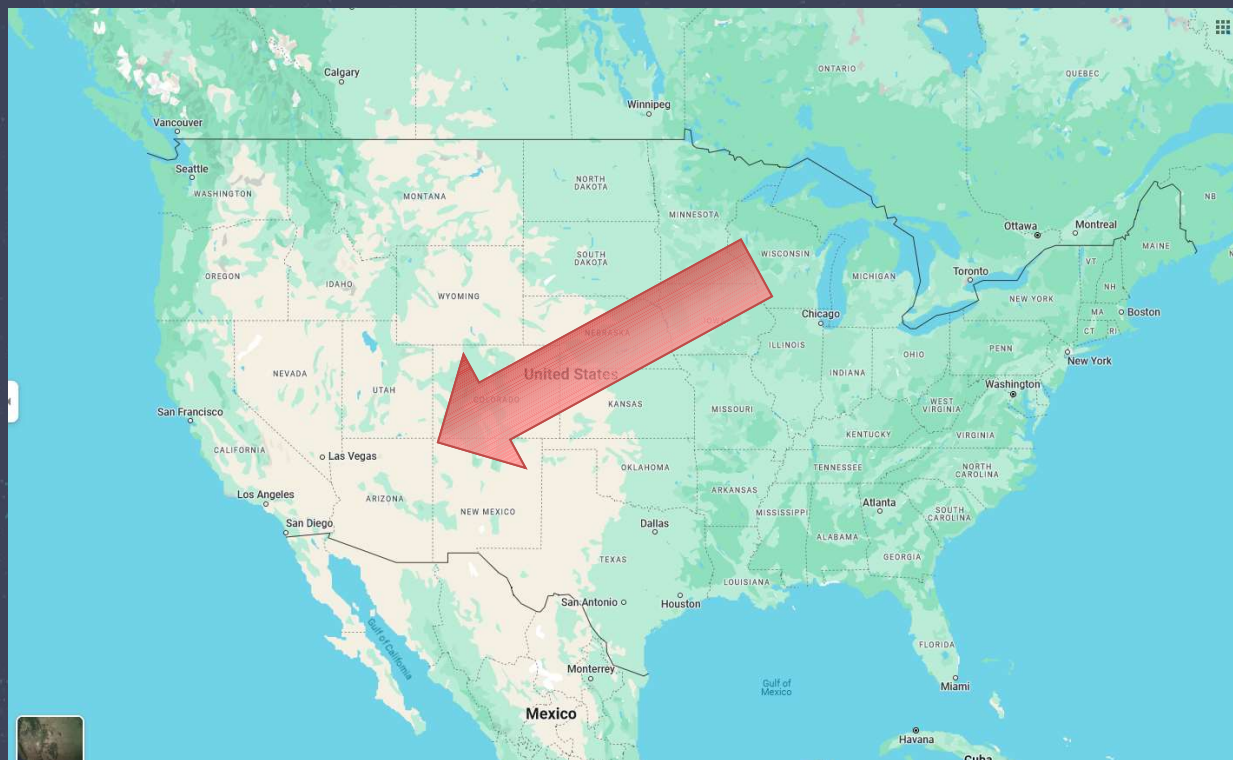
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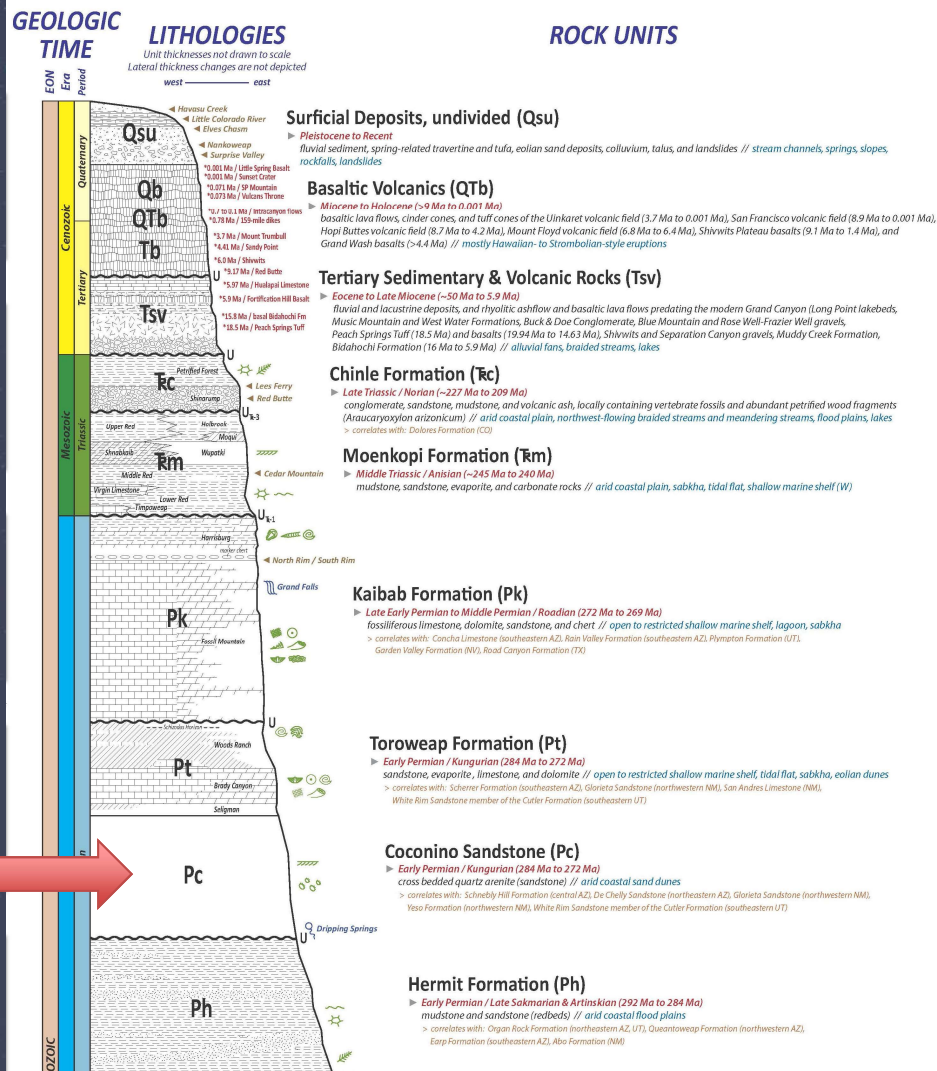
C. Cross bedding.



Arizona Geology Survey Visualizing Grand Canyon Stratigraphy Sep. 2021



Coconino Sandstone (water or arid deposit?) 



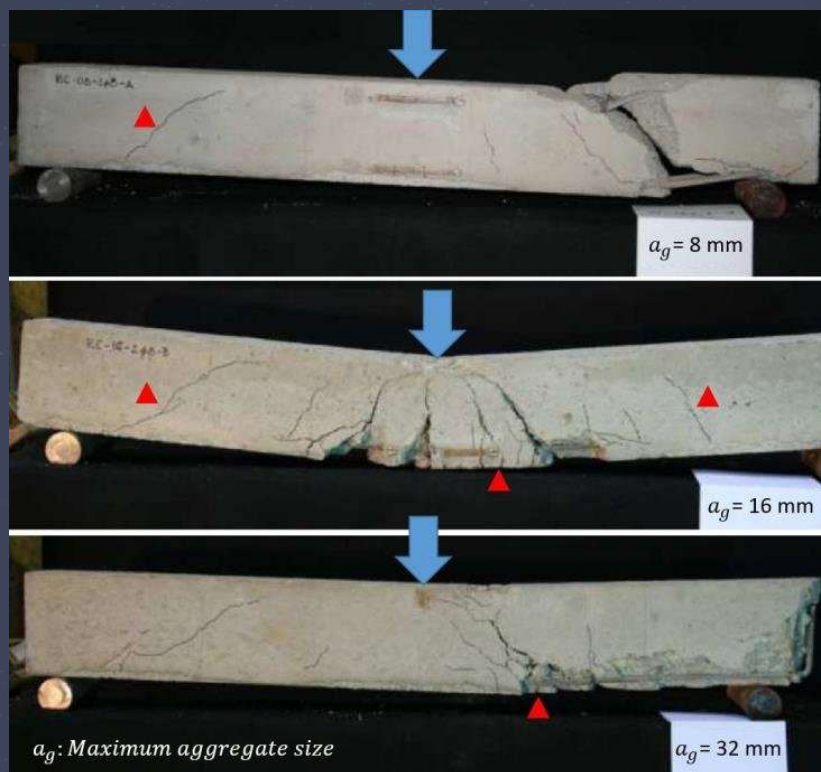
Evidence for a Global Flood:

D. Large cobbles and boulders.



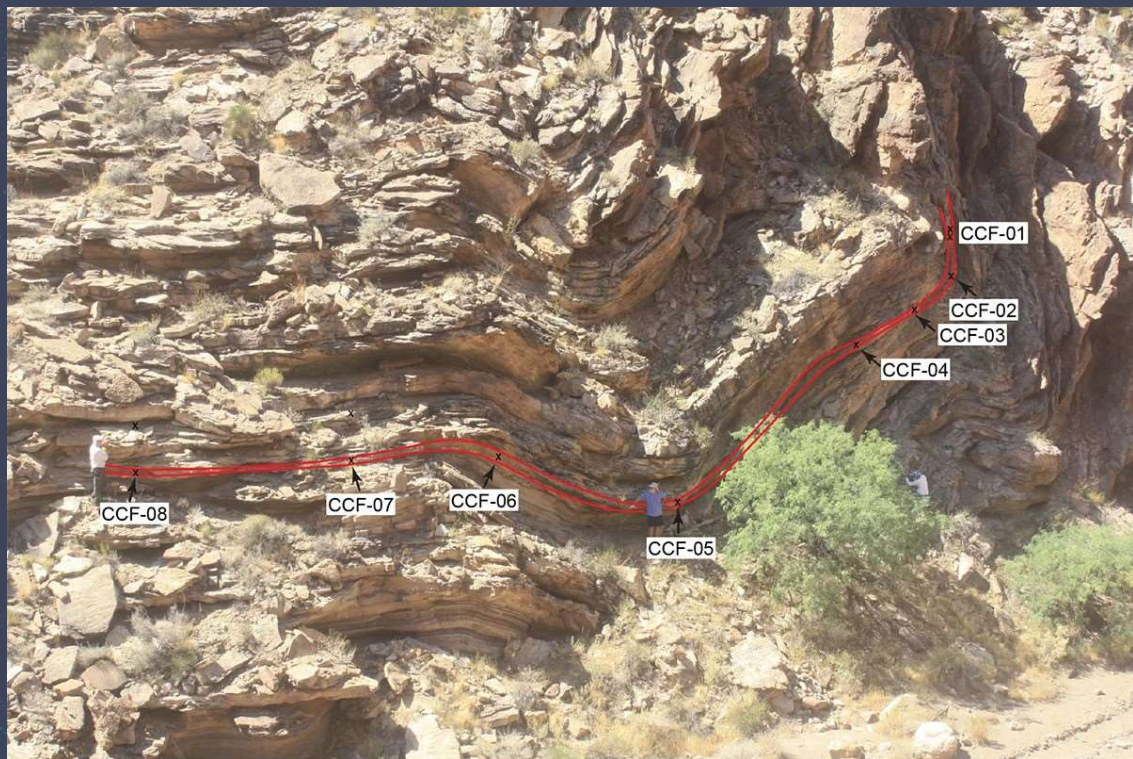
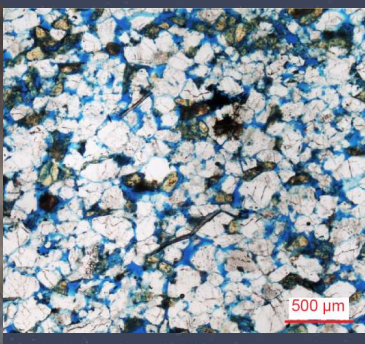
Evidence for a Global Flood:

E. Soft sediment deformation.



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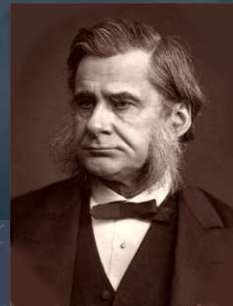
E. Soft sediment deformation.



Evidence for a Global Flood:

- A. Lack of erosion between layers.**
- B. Continental wide layers.**
- C. Cross bedding.**
- D. Large cobbles and boulders.**
- E. Soft sediment deformation.**

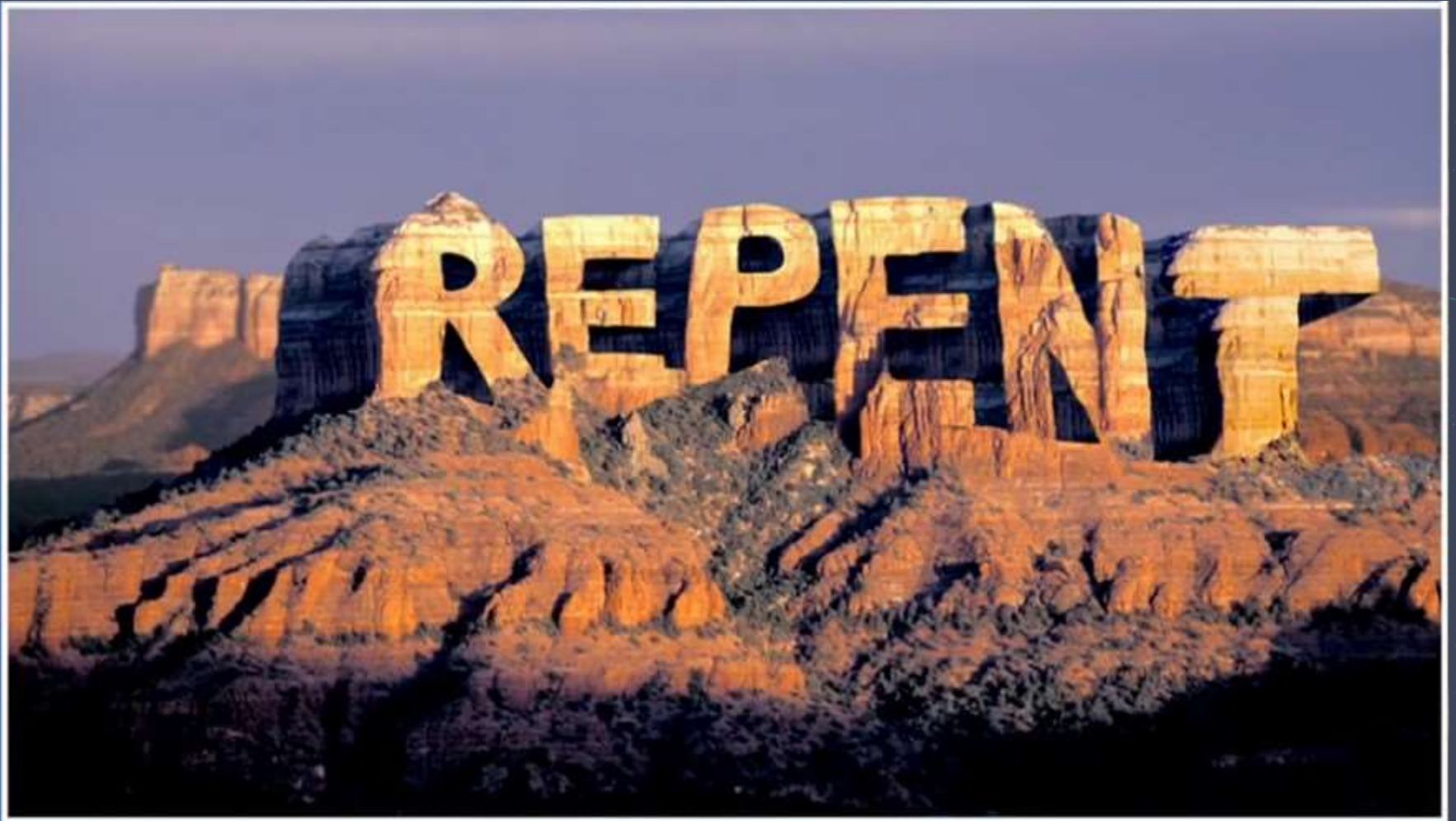
“I confess I soon lose my way when I try to follow those who walk delicately among ‘types’ and allegories. A certain passion for clearness forces me to ask, bluntly, whether the writer means to say that Jesus did not believe the stories in question, or that he did? When Jesus spoke, as of a matter of fact, that “the Flood came and destroyed them all,” did he believe that the Deluge really took, place, or not?”



– Thomas Huxley

Luke 17:26-30

“Just as it was in the days of Noah, so will it be in the days of the Son of Man. 27 They were eating and drinking and marrying and being given in marriage, until the day when Noah entered the ark, and the flood came and destroyed them all. ... 30 so will it be on the day when the Son of Man is revealed.



Discussion Questions:

1. What did you learn tonight? What stood out to you?
2. Have you considered the theological implications of the geological column?
3. Which evidence for the global flood did you find the most compelling? Why?
4. In what ways do you see our society distracting themselves, to avoid the reality of Jesus's return and the final judgment? What does being awake and sober look like in hopeful expectation of Jesus' return?
5. Have a few people pray.



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