

여름 특별 세미나 (Summer Special Seminar)

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창조와 역사

(Creation & History)

(5/28-6/18)

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창조와 역사

(Creation & History)

주제 (Topics):

1. 노아 홍수와 과학 (Noah's Flood & Science)
2. 창조와 과학 (Creation & Science)
3. 노아의 방주와 공룡 (Noah's Ark & Dinosaur)
4. 노아 홍수와 인디언 (Noah's Flood & Indian)

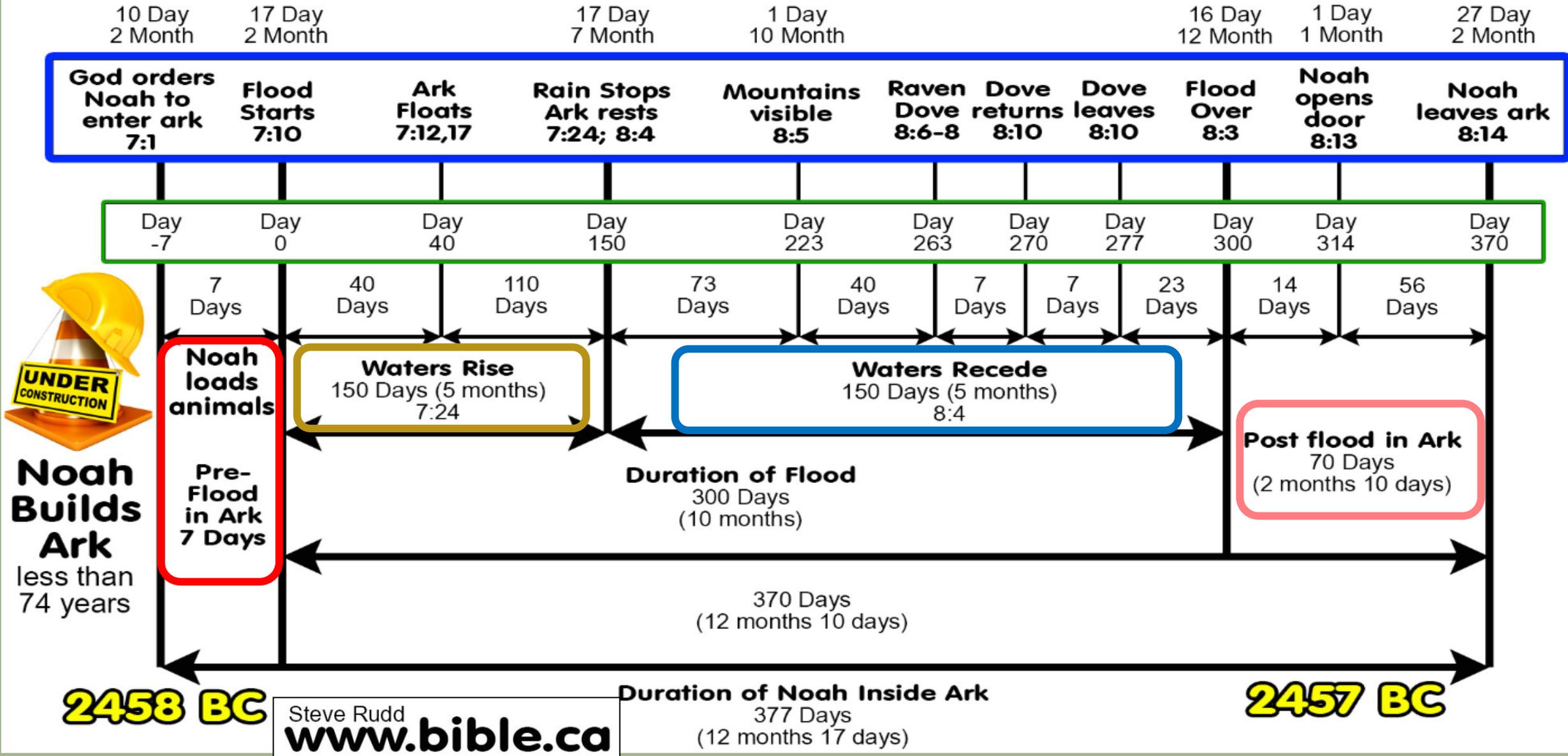
Genesis 7:11–16

11 In the six hundredth year of Noah's life, on the seventeenth day of the second month—on that day all the springs of the great deep burst forth, and the floodgates of the heavens were opened. 12 And rain fell on the earth forty days and forty nights. 13 On that very day Noah and his sons, Shem, Ham and Japheth, together with his wife and the wives of his three sons, entered the ark.

창세기 (Genesis) 7:11-16

11 노아가 육백 세 되던 해 둘째 달 곧 그 달
열이렛날이라 그 날에 큰 깊음의 샘들이
터지며 하늘의 창문들이 열려
12 사십 주야를 비가 땅에 쏟아졌더라
13 곧 그 날에 노아와 그의 아들 셈, 함,
야벳과 노아의 아내와 세 며느리가
다 방주로 들어갔고

Noah's Ark Flood Chronology



Noah's Ark Room



Could The Ark Have Housed 50,000 Animals?

On the whole, most animals are quite small—very few are large—the average size being no greater than a sheep. Noah also did not need to take the largest individuals. Instead, young wire specimens could have been collected for the ark.

Dimensions Of Ark

450' X 75' X 45' = 1,518,750 cubic feet

This volume is equivalent to 569 railroad stockcars, one standard stockcar handles 240 sheep. Therefore, all animals on board the ark could have been housed in:

$$50,000 \div 240 = 208 \text{ stock cars}$$

$$\text{--- of ---}$$

$$208 \div 569 = 36.5\% \text{ of the ark's capacity.}$$

Where Did All The Water Come From?

Today:

- Oceans cover 71% of earth
- Oceans are deeper than continents are high
- If the earth were smooth, water would cover it to a depth of 7500 feet

Source:

- Fountains of great deep
 - Break-up lasted 150 days
 - Great subterranean reservoirs
 - Water and magma
 - Ocean floor tectonics
 - Continental tectonics
- Windows (floodgates) of heaven
 - Special rain for 40 days and nights
 - Continued rain for 110 additional days
 - Precipitation of water canopy
- Pre-flood oceans uplifted

Note: All present sedimentary mountains were deposited as sediments on the ocean floor during the Biblical Flood. These sediments were uplifted at the end of the Flood.

In order to cover the earth, the relative topography must not have been so great (mountains not so high, oceans not so deep), while pulsating tsunamis maintained the water at a high elevation.

How Could The Ark Survive The Flood?

Factors to consider

- The ark was pitched for stormproofing & preservation (not petroleum-based pitch; Hebrew word means, strip, covering)
- The hull had a ratio of length to width equaling 8:1, which is a mostly cubical common in modern ship design
- The hull dimensions kept the ark perpendicular to wave fronts and walls. This would substantially fend the waves from "boarding" the ark.
- The ark's buoyancy force and weight form a "righting couple" enabling the ark to roll up to 90° and still tend to "right" itself.
- Model stability tests show that the ark's design is stable for a 200' wave—a wave greater than would ever occur in open sea.

How Could All The Animals Be Housed On Board The Ark?

- Noah had to take 2 of each "kind" (7 of every "clean" kind)
- Biblical "kind" uncertain—probably limited by genetic variation
- Example: dog kind probably includes dogs, wolves, coyotes, etc.
- "Kind" certainly not more narrow than biologic "species"

CLASSIFICATIONS	# OF SPECIES	# ON ARK
Mammals	3,700	~3,700
Birds	8,600	~8,600
Reptiles	6,300	~6,300
Amphibians	2,900	~2,900
Fishes	20,600	0
Tunicates, etc.	1,325	0
Echinoderms	6,000	0
Arthropods	830,000	~0
Mollusks	107,250	0
Worms, etc.	35,430	0
Coelenterates, etc.	4,800	0
Sponges	28,432	0
Protists	1,072,300	21,100

Maximum number of animals on board the ark would be 50,000 (probably much less).

Do Other Ancient Writings Mention The Great Flood?

Myths and legends from all over the world tell a similar story. Similar myths in various cultures imply:

- A common event, or
- Both

Analysis of over 200 flood legends shows remarkable similarity.

Was the flood universal?	95%
Was survival due to a boat?	70%
Was wickedness of man the cause?	66%
Was there a favored family?	66%
Was the servant forewarned?	65%
Were animals also saved?	60%
Did animals play any part?	73%
Did survivors end up on a mountain?	57%
Were birds sent out?	30%
Were specifically eight people saved?	6%
Did survivors sacrifice afterward?	13%
Was rainbow mentioned?	7%

Dimensions of Noah's Ark

Based on a cubit of 18 inches, the ark would have had a volumetric capacity equivalent to that of 569 standard railroad stockcars, enough to carry 132,560 sheep-size animals and far more than enough to carry two of every known kind of land animal, living or extinct.

Noah's Ark



How Could Noah Have Cared For The Animals?

Animal tendencies noted in face of danger

- Problems and prey tend to merge together
- After high excitement, activity tends to become more relaxed when faced with unexpected danger in the past. But some animals actually go right back to sleep.

Animal tendencies noted in situations of stress

- Conditions that trigger energy consumption (i.e., lack of adequate nutrients, water intake, temperature changes, reduction of habitat, major predators or pheromones) also often cause animals to fall into a state of torpor or hibernation.
- Disturbances included a state of torpor, excitation or restless dormancy in the animals he sent to the ark, so that the need for animal husbandry would be minimized. Furthermore, there have passed on these abilities to their descendants.

Was The Flood Confined To The Tigris-Euphrates River Valley?

In light of current stability faults an 8 foot layer of clay at U of Chicago. This was produced as evidence for the Flood.

But the layer of mud generated some problems:

- The layer did not cover the entire planet.
- There were no fossils in the strata of the clay.
- The clay did not coincide with a single type of rock.

This was not the Genesis Flood.

How Did All The Animals Get To Their Present Locations?

Passengers on ark were the only survivors.

Animals commanded to:

- Breed abundantly in the earth
- Be fruitful
- Multiply upon the earth

Man kind commanded to:

- Be fruitful
- Multiply
- Fill the earth

Mr. Arment provides optimum starting place:

- No impassable barriers
- Near "center" of the earth's land surfaces

Other observations:

- Vegetation quickly reappeared
- No competition for new space
- Weaker kinds "pushed" by stronger kinds
- Ice age provided land bridges

Stability of the Ark

The ark's dimensions made it almost impossible to capsize. Even if it tilted through any angle less than 90°, the buoyant force tending to right it always acts "outside" the weight force, thus causing it to return to its normal floating position.



11/29/2013

Noah's Ark Room



Toltec Flood Story

The native Mexican historian Ixtlilxochitl states: *"It is found in the histories of the Toltecs that this age and the first world, as they call it, lasted 1,716 years; that men were destroyed by tremendous rains and lightning from the sky, and even all the land, without the exception of anything, and the highest mountains were covered up and submerged in water fifteen cubits (eaxtolmolatli); and here they add other fables of how men came to multiply from the*

Hawaiians And The Flood

The Hawaiians say that long after the time of Kumuhonua (the first man), the earth became wicked and careless of the worship of the gods. One man was righteous, Nu-u. He made a great canoe with a house on it and stored it with food, taking plants and animals into it. Then the waters came up over all the earth and destroyed all of mankind except Nu-u and his family. When he came out upon the land after the waters had subsided, he looked up and saw the moon, and thought that it was Kane (the great god), so he worshiped it.

Is Genesis Flood Real?

Then, There Must be Evidences:
Global strata, Millions of Dead Things...



Image from Mike Riddle
Answers in Genesis

GRAND CANYON

**Old Earth?
By Slow & Gradual**

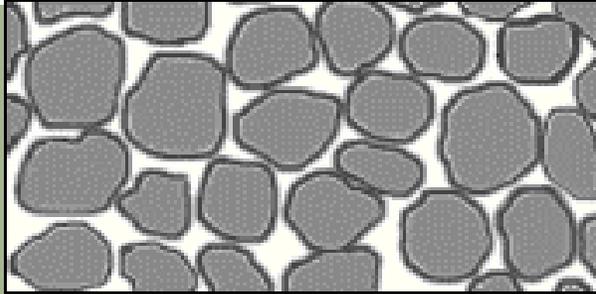
**Young Earth?
by Genesis Flood**

A LOT OF
TIME AND A
LITTLE WATER?

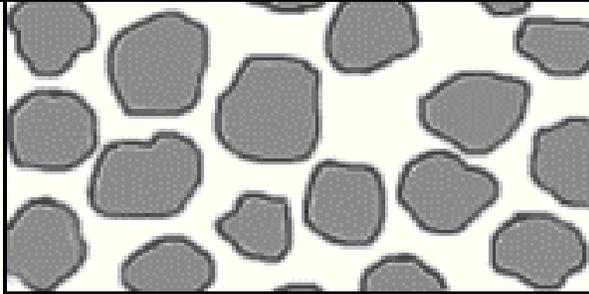
A LOT OF
WATER AND A
LITTLE TIME?

Mechanism of Stratification

“Liquefaction” is “..saturated, unconsolidated soil or sand is converted into a suspension. .. observed in quicksand, quick clay, turbidity currents, and as a result of earthquake shock. -creationwiki.org-



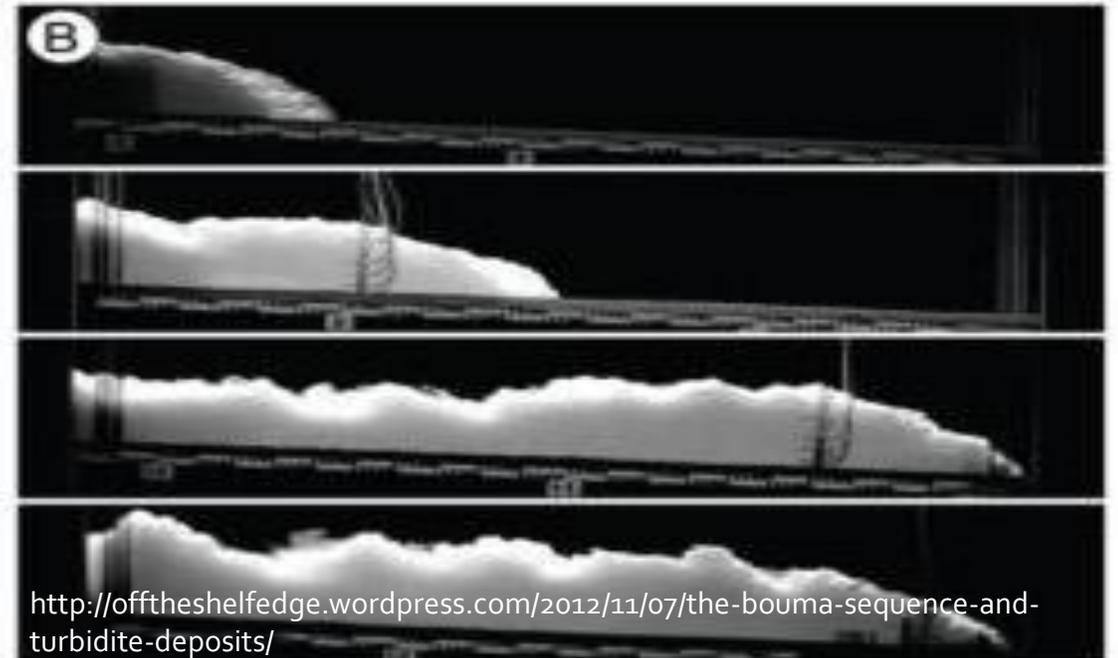
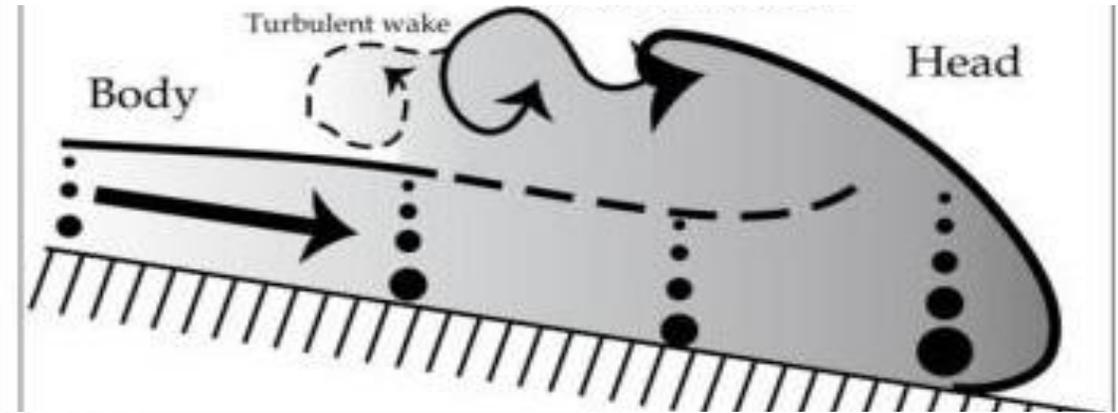
Normally, water fills the spaces between sediment grains, but the grains touch, and friction holds the sediment together.



Liquefaction increases the water-filled spaces between grains, allowing the sediment to flow like a liquid.

<http://warnercnr.colostate.edu/~rboone/nr505/projects/project8/Introduction.html>

“Turbidity Currents” are rapid, underwater avalanches or landslides of sand or mud. creationwiki.org



<http://offtheshelfedge.wordpress.com/2012/11/07/the-bouma-sequence-and-turbidite-deposits/>

1964 Niigata earthquake

https://en.wikipedia.org/wiki/Soil_liquefaction

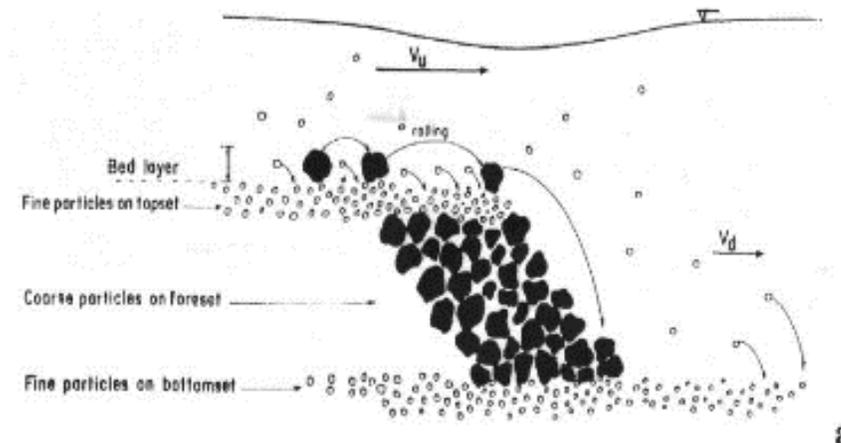


Experiment of Fast Stratification

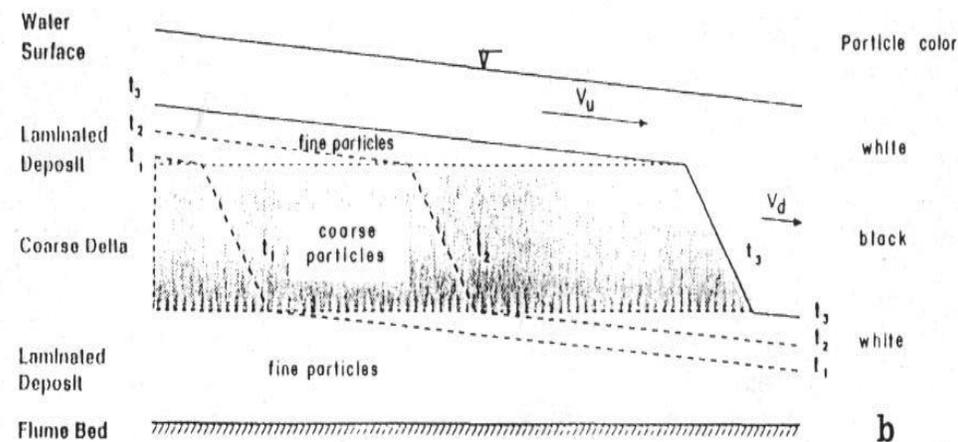
<http://www.youtube.com/watch?v=cBv-4jrzmNw>



By Guy Berthault and Pierre Julien (1990)



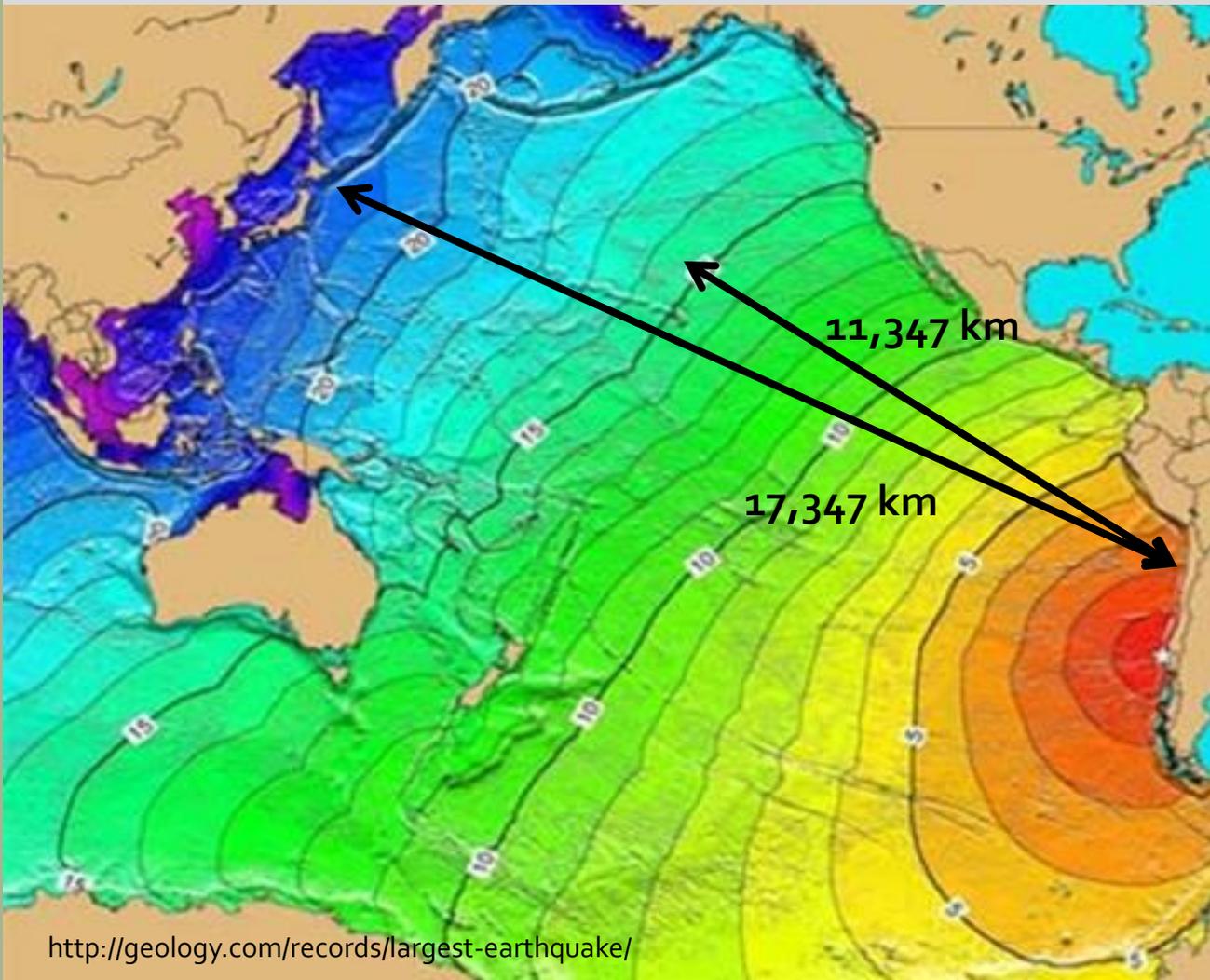
Fast formation of multiple strata



Bull. Soc. géol. Fr., 1993, n° 5

Source of the Catastrophic Flood

“Tsunami: a series of waves in a water body by the displacement of a large volume of water...by Earthquakes, volcanic eruptions... underwater explosions ...” -en.wikipedia.org-



Chile Earthquake: World's Largest Recorded Earthquake.

(9.5 Magnitude, May 22, 1960)

- Tsunamis across the Pacific Ocean at a speed of over 200 mile/hr. (500mile/hr near epicenter)
- reached Hawaii in 15hr, 61 people dead
- reached Japan in 22hr, 138 dead
- 2,000,000 people were left homeless in Chile.

Fast & Global Formation by Genesis Flood?



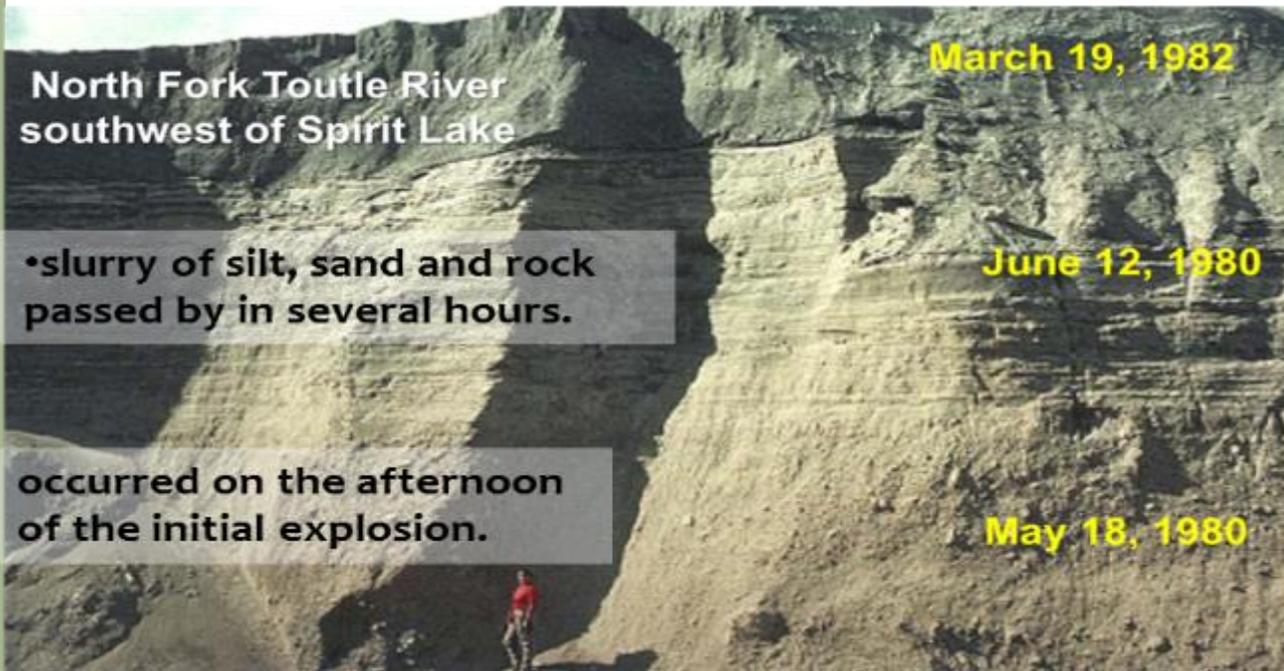
Petrified Forrest National Park, AZ



Real Event: Mount St. Helens



Chris Ashcraft slide



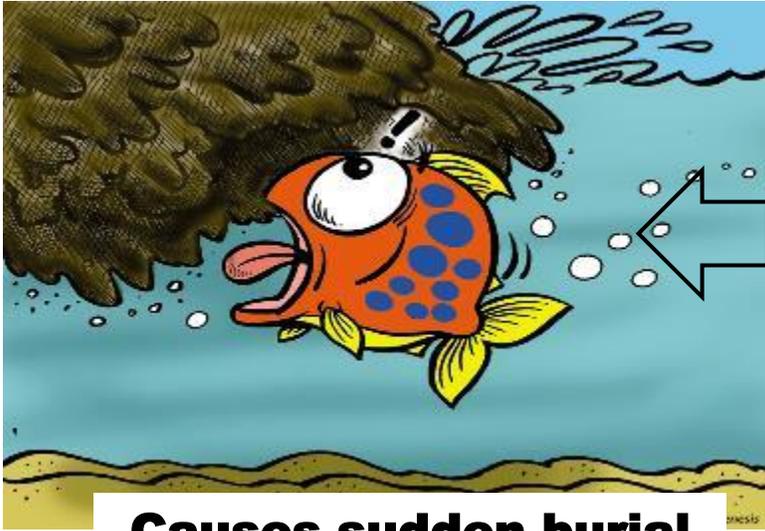
On March 19, 1982, a small eruption melted the snow in the crater over the winter, and a resulting mud flow eroded a canyon system, the little Grand Canyon.



Evidence from Mount St Helens and other areas has challenged the old belief that massive rock layers and river valleys take millions of years to form.

Fast Stratification: Fossils

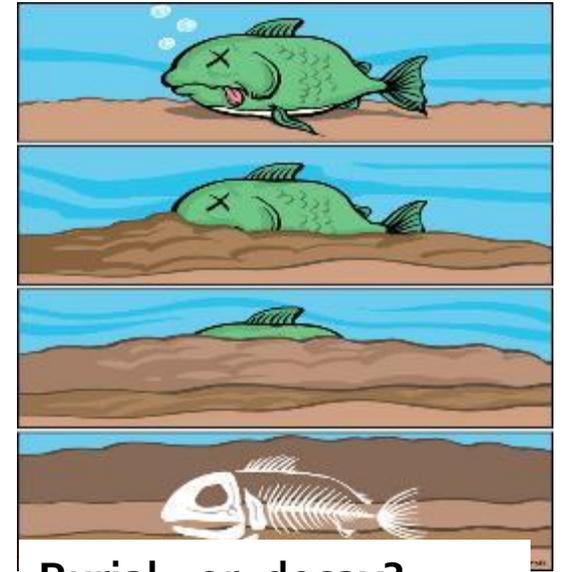
Catastrophic



Causes sudden burial

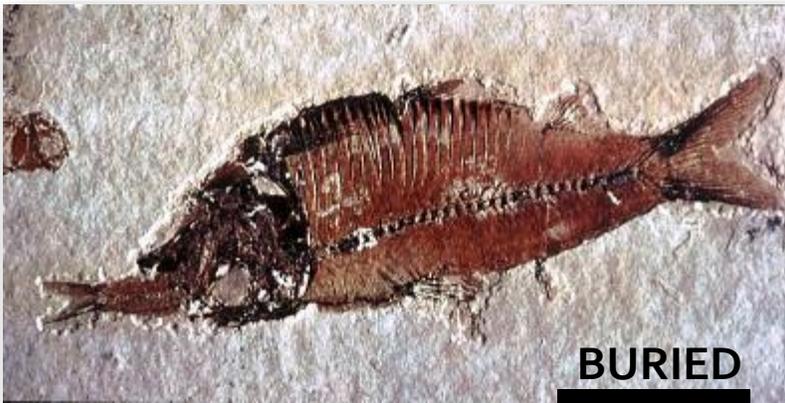


Slow and gradual



Burial.. or, decay?

Fossil can only be formed by fast burial → support Genesis Flood

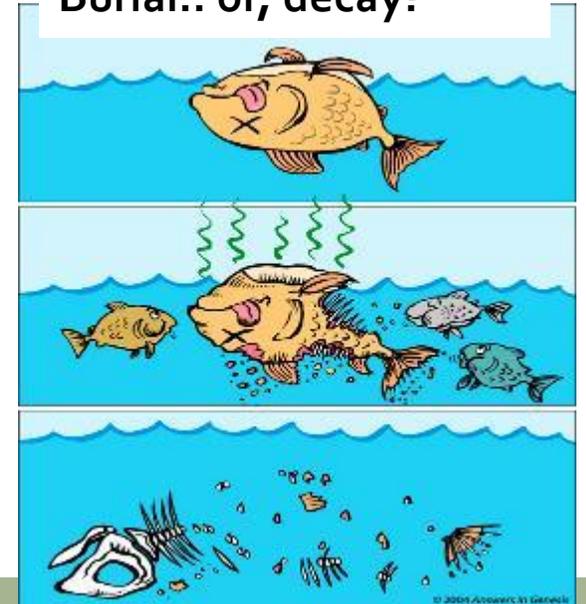


**BURIED
EATING**



**BURIED
BIRTH**

-Chris Ashcraft slide-



Does It take Millions of Years?



<http://www.createddinosaurs.com/Creationevolution/fossils.html>

Two fossilized hats. One was dropped in a coal mining pit. The other was found under volcanic ash.



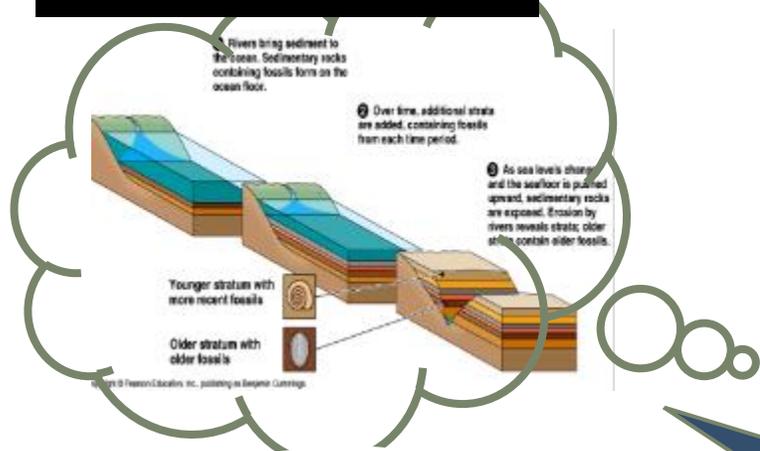
The rubber-soled boot with petrified cowboy (human) leg, bones ...was found in a dry creek bed near the West Texas ..., about 1980 by Mr. Jerry Stone, an employee of Corvette oil company.



http://pocketanswers.net/fossilized_manmade_objects_files/image004.jpg

Two views on Strata

Uniformitarian model



Catastrophic Model



Time line

Past Present

Path?

Origin?

Rate?

There were **Strata** when we found the canyon..



Observation Limit

Origins Science
→ Beyond Observation
→ No Proof!
→ Issue of Interpretation!!

Experimental Science
→ Measurable!!
No Assumption!!

Conclusion

Genesis Flood is supported by Science

- **Global-scale Strata**
- **Fast Stratification (by Tsunami, Earthquake, Volcano...)**
- **Fossil Records...**

Impact of Genesis Flood

- **Global Catastrophe: highly probable (but unrepeatable)**
- **Re-Interpretation of the History of the Earth**
- **Confidence in the Genesis Records**