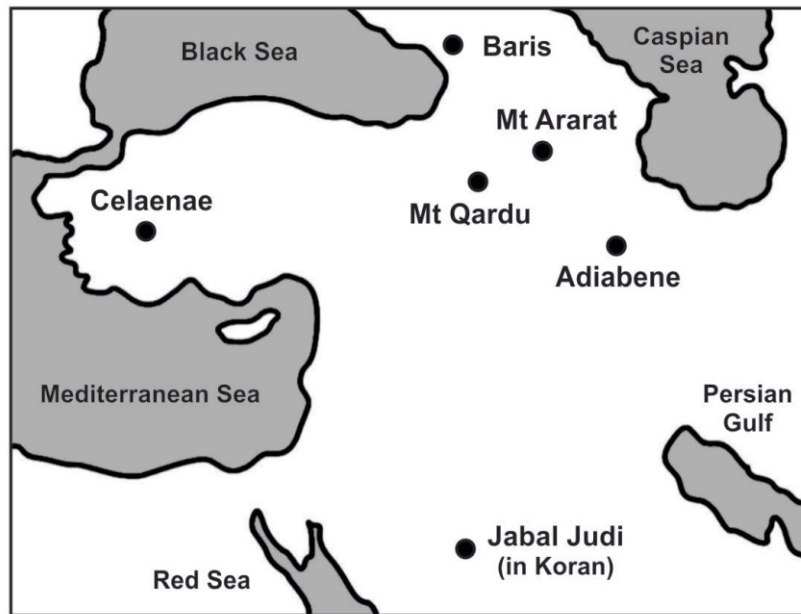
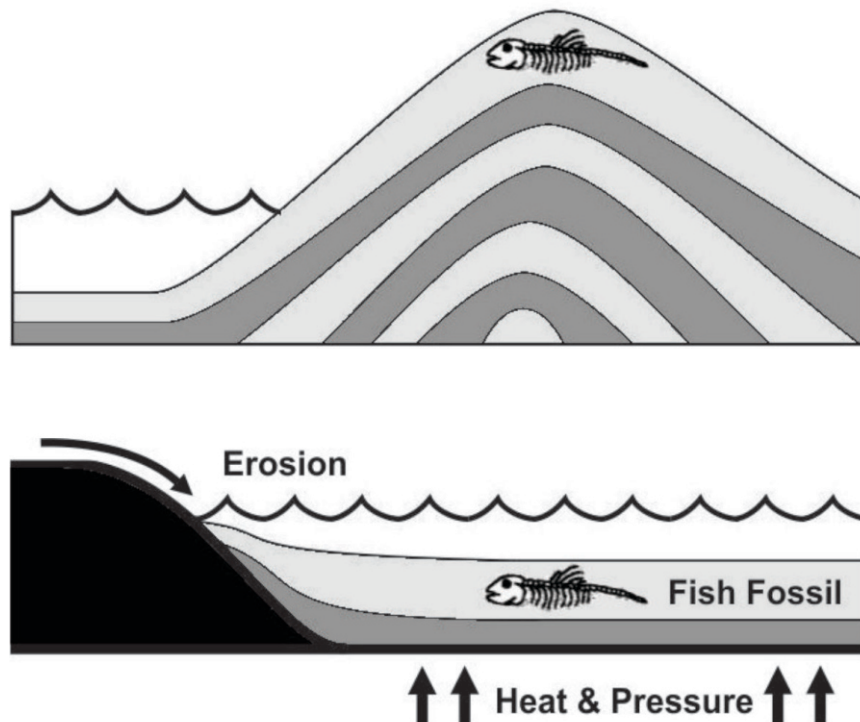


PROPOSED LANDING SITES OF NOAH'S ARK



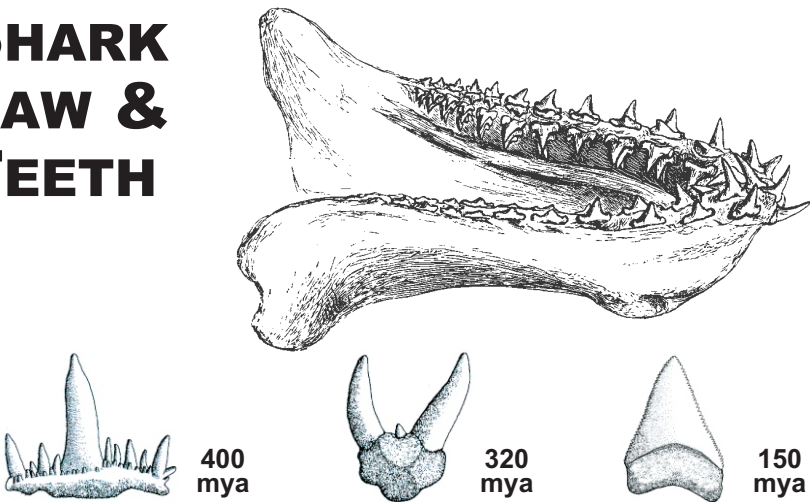
Redrawn from D Young, *The Biblical Flood* (Grand Rapids: Eerdmans, 1995), 33.

JAMES HUTTON'S PRINCIPLE OF ACTUALISM



Redrawn from P Bowler, *Evolution: History of an Idea* (Berkeley: U of California Press, 1984), 43.

SHARK JAW & TEETH



Jaw from C Tomes, *Manual of Dental Anatomy* (London: Churchill, 1889), 240
Teeth redrawn from R Carroll, *Vertebrate Paleontology & Evolution* (NY: Freeman,1988), 68

GEOLOGICAL COLUMN

	Modern Names	Old Names c. 1850	
Cenozoic Era (Age of Mammals)	Recent	Recent Deposites	Tertiary Series
	Pleistocene		
	Pliocene	Pliocene	
	Miocene	Miocene	
	Oligocene		
	Eocene	Eocene	
Mesozoic Era (Age of Reptiles)	Paleocene		Secondary Series
	Cretaceous	Cretaceous	
	Jurassic	Wealden Oolitic Lias	
	Triassic	New Red Sandstone	
Paleozoic Era (Age of Invertebrates)			Transition Series
	Permian	Carboniferous	
	Carboniferous	Old Red Sandstone	
	Devonian	Silurian	
	Silurian		
	Ordovician		
	Cambrian	Cambrian	
	Precambrian	Primary Rocks	

Redrawn from P Bowler, *Evolution: History of an Idea*
(Berkeley: U of California Press, 1984), 117

JAMES DANA’S DAY-AGE THEORY

The order of events in the Scripture cosmogony corresponds essentially with that which has been given. There was first a void and formless earth: this was literally true of the “heavens and the earth,” if they were in the condition of a gaseous fluid. The succession is as follows:—

- (1.) Light.
- (2.) The dividing of the waters below from the waters above the earth (the word translated *waters* may mean *fluid*).
- (3.) The dividing of the land and water on the earth.
- (4.) Vegetation; which Moses, appreciating the philosophical characteristic of the new creation distinguishing it from previous inorganic substances, defines as that “which has seed in itself.”
- (5.) The sun, moon, and stars.
- (6.) The lower animals, those that swarm in the waters, and the creeping and flying species of the land.
- (7.) Beasts of prey (“creeping” here meaning “prowling”).
- (8.) Man.

In this succession, we observe not merely an order of events, like that deduced from science; there is a system in the arrangement, and a far-reaching prophecy, to which philosophy could not have attained, however instructed.

The account recognizes in creation two great eras of three days each,—an *Inorganic* and an *Organic*.

Each of these eras opens with the appearance of *light*: the *first*, light cosmical; the *second*, light from the sun for the special uses of the earth.

The arrangement is, then, as follows:—

1. The Inorganic Era.

- 1st Day.—LIGHT cosmical.
- 2d Day.—The earth divided from the fluid around it, or individualized.
- 3d Day.—
 - 1. Outlining of the land and water.
 - 2. Creation of vegetation.

2. The Organic Era.

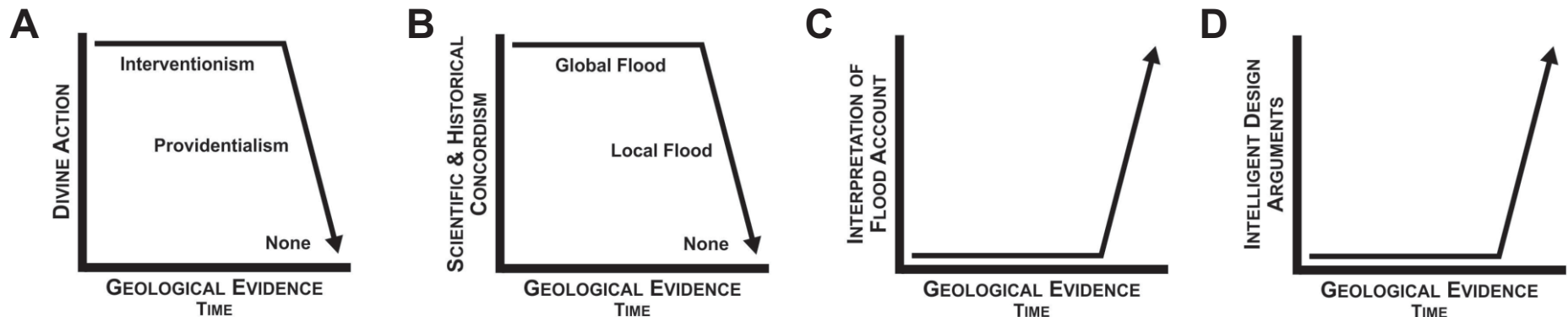
- 4th Day.—LIGHT from the sun.
- 5th Day.—Creation of the lower orders of animals.
- 6th Day.—
 - 1. Creation of Mammals.
 - 2. Creation of Man.

James D. Dana, *Manual of Geology*
(Philadelphia: Bliss Co., 1863), 745

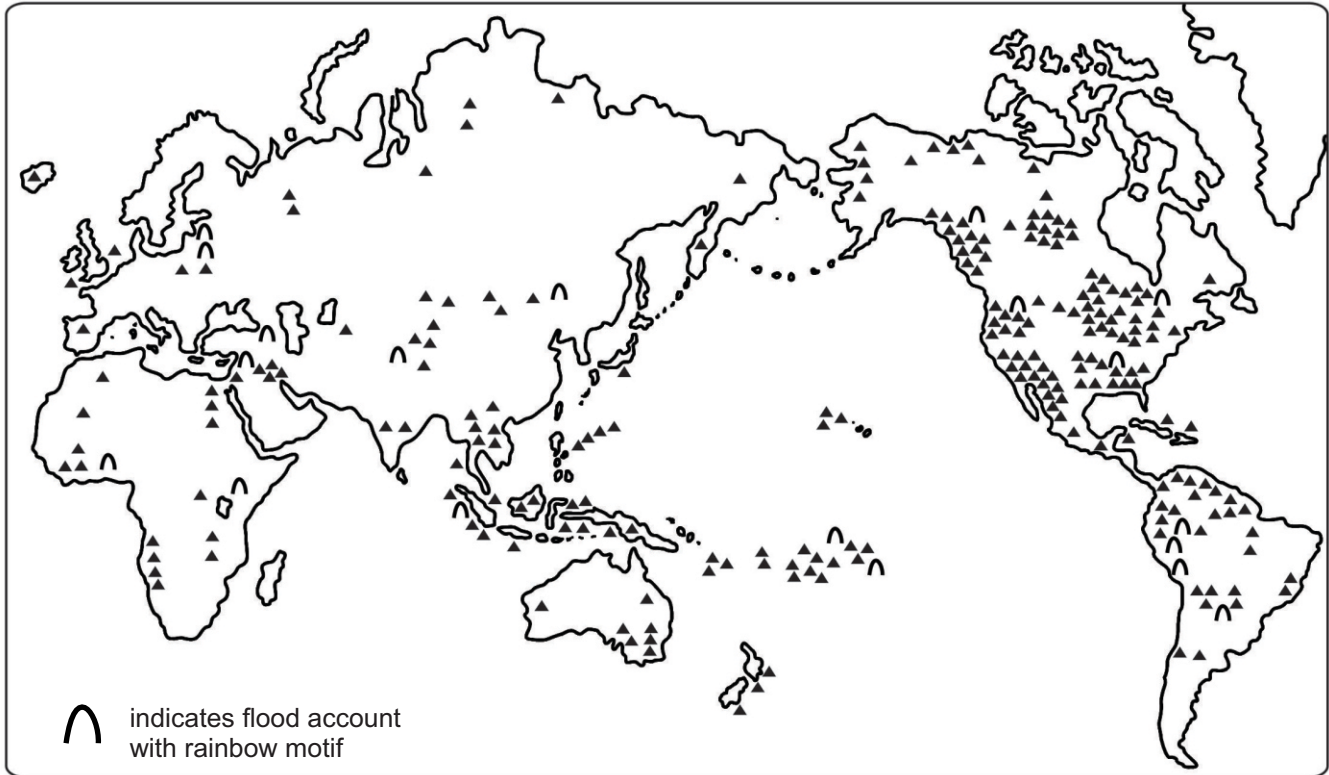
SUMMARY

Brief History of Geology & the Biblical Flood

	EARLY CHURCH & MIDDLE AGES Up to 1450	EARLY MODERN PERIOD 1450 to 1750	BEGINNING OF GEOLOGY 1750 to 1825	19 TH CENTURY MODERN GEOLOGY 1825 to 1900	20 TH & 21 ST CENTURY MODERN GEOLOGY 1900 to Present
NOAH'S FLOOD	Global (worldwide)	Global Flood Theory Biblical flood caused ALL geological strata	Catastrophism Natural processes caused ALL geological strata Catastrophic floods caused surface features worldwide	Local Flood Theory Biblical flood caused surface features in a local region	No Biblical flood in geology
INTERPRETATION OF BIBLICAL FLOOD ACCOUNT (GENESIS 6-9)	Literal Scientific & Historical Concordism	Literal Scientific & Historical Concordism Start of local flood minority position	General Scientific & Historical Concordism Biblical flood the last catastrophic flood	Limited Scientific & Historical Concordism Biblical flood restricted to Mesopotamia	No Scientific & Historical Concordism
DIVINE ACTION & THE FLOOD	Interventionism by God & Angels	Interventionism starting to decrease Providentialism starting to increase	Interventionism decreasing Providentialism increasing	Interventionism little to none Providentialism majority position	Interventionism No Providentialism No
GEOLOGICAL EVIDENCE	marine fossils on mountains & purported ark sightings	Start of Modern Science focus on natural processes Niels Steneseen Principle of Superposition	Start of Geomorphology & Stratigraphy James Hutton Principle of Actualism	Geological Column established in 1850 Charles Lyell Principle of Uniformitarianism	Radiometric Dating Geology integrated with Cosmology & Evolutionary Biology

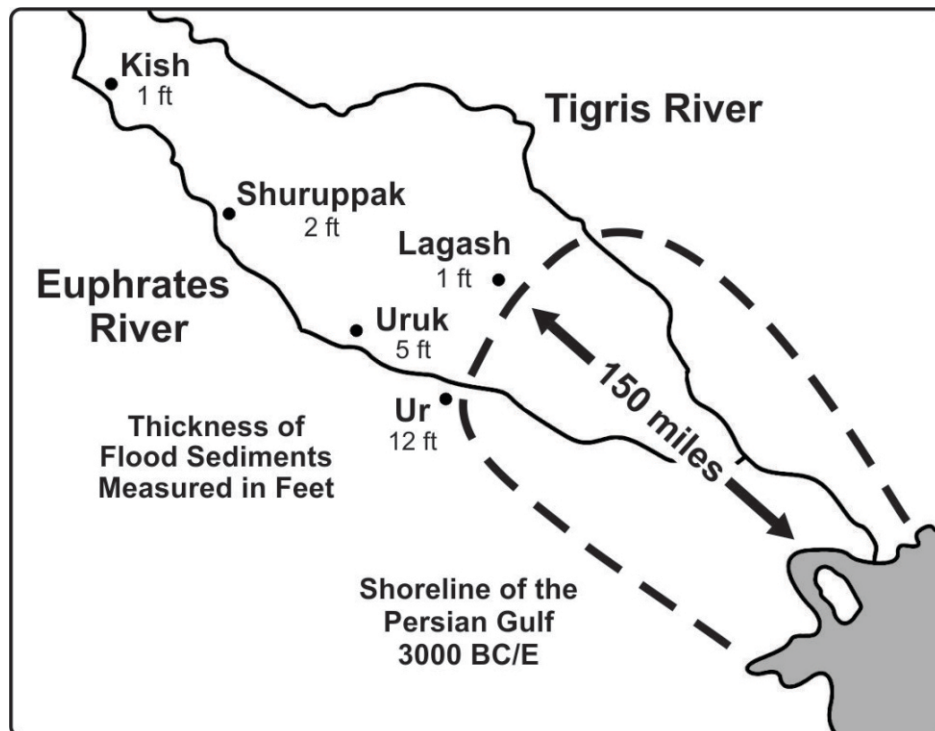


FLOOD ACCOUNTS ACROSS THE WORLD



Redrawn from B Lang, "Non-Semitic Deluge Stories & the Book of Genesis"
Anthropos 80 (1985), 609-10

MESOPOTAMIAN FLOOD PLAIN



Redrawn from L Bailey, *Noah* (U of S Carolina Press, 1989), 33
 Alan Dicken, *Scientific Commentary on Genesis 1-11* (2015), 97

COMPARISON OF MESOPOTAMIAN FLOOD ACCOUNTS & THE BIBLICAL FLOOD ACCOUNT

	Sumerian Flood BC/E: 2000-1700	Ark Tablet Flood 1900-1700	Epic of Atrahasis 1700	Epic of Gilgamesh 1600	Biblical Flood 1000-500
God/s					
Number	many gods	many gods	many gods	many gods	One Holy God
Reason for flood	noise		noise	overpopulation	sin
Warn/s flood hero	✓	✓	✓	✓	✓
Flood Hero					
Name	Ziusudra	Atrahasis	Atrahasis	Utnapishtim	Noah
Age (years)	36,000*		600+**		600
Location	Shuruppak		Shuruppak	Shuruppak	Mesopotamia
Builds ark	✓	✓	✓	✓	✓
Construction of Ark	40 lines missing				
Materials used		✓	✓	✓	✓
Multiple decks		✓	✓	✓	✓
Roof		✓	✓	✓	✓
Dimensions (cubits)		circular***		120/120/120	300/50/30
Life Preserved in Ark	40 lines missing				
Family of flood hero		✓	✓	✓	✓
Animals		✓	✓	✓	✓
Birds			✓	✓	✓
Wild & domestic		✓	✓	✓	✓
Clean & unclean			✓		✓
Flood					
Ark door closed		✓	✓	✓	✓
All life destroyed	✓	rest of the account missing	✓	✓	✓
Duration (days)	7		7	7	40/150
Flood frightens God/s			✓	✓	
Retreat of Flood			58 lines missing		
Ark rests on mountain				Mt Nisir	Ararat Mts
Hero opens hatch	✓			✓	✓
Bird reconnaissance				✓	✓
Dove & raven				✓	✓
Duration (days)				7	7/7
Earth dried				✓	✓
Duration				7	150/40/7/7
After Flood	39 lines missing				
Hero sacrifices	✓		✓	✓	✓
God/s smell/s it			✓	✓	✓
God/s offer/s hero	Eternal life	Eternal life	Eternal life?	Eternal life	Covenant

NOTE: Mesopotamian flood accounts are written on cuneiform tablets. Many of these are broken and missing parts of the account. If recovered, it is likely there would be more similarities with the biblical flood account

* Age from Sumerian King List

** No specific age given, but time periods marked by phrase "600 years, less than 600, passed."

*** Diameter: 67.7 metres. Area: 3600 square metres. Walls: 6 metres.

EPIC OF GILGAMESH FLOOD ACCOUNT

The Epic of Gilgamesh is a Mesopotamian poem with twelve tablets. The eleventh tablet includes an account of a great flood that destroys the world. This poem was first composed around 2000 BC/E, but the flood story was probably not added until 1600 BC/E. The epic is about Gilgamesh, the king of the city of Uruk in Southern Mesopotamia, and his quest to gain eternal life. In his pursuit, he meets Utnapishtim, the flood hero who was given immortality. In the first part of the eleventh tablet, the flood hero Utnapishtim recounts events of the deluge. He also reveals that there is a magical plant that can restore youth. Gilgamesh then obtains the plant, but it is stolen by a serpent.

This epic features a number of motifs from Sumerian poems of an earlier period. Yet the story of Gilgamesh is an original work. In other words, the author/s borrowed, re-cycled, and re-interpreted common motifs to develop their new themes and theologies. The many parallels between the Epic of Gilgamesh and the later composed Biblical Flood Account (1000-500 BC/E) suggests that the Hebrews practised a similar literary process. Guided by the Holy Spirit, the writers of Noah's flood account used common ancient Near Eastern motifs to reveal the innovative theme that a single Holy God judges human sin and saves the righteous from judgment.

Tablet XI

INTRODUCTION

⁸Utnapishtim said to Gilgamesh:

"I will reveal to you, Gilgamesh, a hidden matter.

I will tell you a secret of the gods.

Shuruppak¹ is a city that you know.

It is situated on the banks of the Euphrates River.

That city was ancient when the gods within it

¹⁴decided that the great gods should launch a flood,

. . .

THE GODS WARN THE HERO OF THE FLOOD

[The Gods said to Utnapishtim:]

²³Man of Shuruppak, son of Ubara-Tutu,
tear down your house and build a boat.

Give up possessions, search out living things.

Reject worldly goods and keep souls alive!

Put into the boat the seed of all living things.

The boat you are to build,

will have her dimensions in proportion.

Her width and her length shall be equal.

The roof shall be like the Aspu³

¹Shuruppak was an ancient city in Southern Mesopotamia on the Euphrates River. It was in an area susceptible to flooding. Three Mesopotamian flood heroes come from this city: Utnapishtim, Atrahasis (Epic of Atrahasis), and Ziusudra (Sumerian Flood Account).

³The Aspu is a body of fresh water below the earth. In the context of the verse, the earth seals it over.

I understood, and I said to my Lord Ea³, my lord:

"I have paid attention to the words you ordered.

³⁴My lord I will be honored to carry them out."

. . .

BUILDING OF THE BOAT

⁵⁴The children carried tar [to seal the boat],
while the older people brought everything else
that was needed.

On the 5th day I laid down her framework.

One whole acre was her floor space,

120 cubits was the height of each of her walls,

120 cubits each edge of the square deck.

I laid out the contours and joined her together.

I gave her 6 decks, dividing her thus into 7 parts.

I divided her floor plan into 9 parts. I hammered
water plugs into her. I put in paddles & laid in supplies.

6 sar⁴ measures of tar I poured into the furnace,

3 sar of asphalt I also poured into the inside.

3 sar of oil the were carried in baskets by workmen.

Not counting the 1 sar of oil which the dust had absorbed,

⁶⁹and the 2 sar of oil which the boatman stowed away.

. . .

³The god Ea lived in the Aspu.

⁴A "sar" is the number 3600 (or 60²). It is about 8000 gallons.
6 sar is 48,000 gallons; 3 sar is 24,000 gallons

LOADING & LAUNCHING OF THE BOAT

⁷⁶On the 7th day the ship was completed.

The launching was very difficult,

launch rollers had to be used from above and
below, until two-thirds of it was in water.

I loaded her with everything there was:

I had silver loaded on her; I had gold loaded on her.

I put on board all the seed of living things; all of them

I put on board all my family and friends

The beasts of the field, the wild creatures of the open
country, and all kinds of craftsmen.

The sun god Shamash had set the time for me:

"In the morning a darkness,

in the evening a heavy rain,

⁸⁸Board the boat and shut your door!"

THE FLOOD

⁸⁹That stated time had arrived:

He who orders in the morning a darkness,
in the evening a heavy rain.

I watched the appearance of the storm.

The storm was terrifying to see.

I boarded the boat and shut the door.

To seal the boat, I handed over the floating structure
with its contents to Puzur-Amurri, the boatman.

With the first light of dawn appeared,
a black cloud rose up from the horizon.

Inside it the storm god Adad¹ thunders,
while servant god Shullat & Hanish [Adad] go in front,
marching like officers over mountain and plain.

The underworld god Erragal tears out the mooring posts.

The war god Ninurta marches & the dikes overflow.

The earth gods Anunnaki lift up torches,
and they lit up the land with their brightness.

The calm reaches to the heavens before the storm god
Adad turns to darkness everything that had been light.

The wide land was shattered like a pot!

On the first day, the storm blew, gathering speed,
overtaking the people like a battle.

¹¹⁴No man could see his fellow,
nor could people be distinguished from the heaven.

THE GODS TERRIFIED BY THE FLOOD

¹¹³The gods were frightened by the flood, and shrinking
back, they ascended to the highest heaven of Anu.

The gods cowered, like dogs crouched against an
outside wall.

....

¹²⁵The gods, all humbled, sat there and wepted,
their lips were closed & covered with scab.

6 days and 6 nights

The wind blew, the flood & storm overwhelmed the land.

END OF THE FLOOD &

LANDING OF THE BOAT ON MT. NISIR

¹²⁹When the 7th day arrived, the storm, flood & onslaught,
which had fought like an army, subsided.

The sea became calm, the storm was still, and the flood
was held back.

I looked at the weather: stillness had set in,
and **all of humankind had returned to clay.**

The land was level as flat as a roof.

I opened the door, and light fell upon my face.

I bent down and I sat.

I wept with tears running down on my face.

I looked for coast, for the limits of the sea.

In each of 14 regions there emerged a region-mountain.

The boat came to rest on Mount Nisir.

Mount Nisir held the boat firmly, not allowing it to move.

On the 1st and 2nd day, Mount Nisir held the boat firmly,
not allowing it to move.

On the 3rd and 4th day, Mount Nisir held the boat firmly,
not allowing it to move.

¹⁴⁴On the 5th and 6th day, Mount Nisir held the boat firmly,
not allowing it to move.

BIRD RECONNAISSANCE AFTER THE FLOOD

¹⁴⁵When the 7th day arrived,

I put out and released a **dove**.

The dove went out and then came back.

Because there was no visible resting-place,
it turned around.

Then I put out and released a **swallow**.

Because there was no visible resting-place,
it turned around.

Then I put out and released a **raven**.

The raven went and saw that the waters had receded.

¹⁵⁴And it ate, circled, lifted its tail, and did not turn around.

DISEMBARKMENT OF THE BOAT & SACRIFICE TO THE GODS

¹⁵⁵Then I let out all [the creatures] to the four winds
and offered a sacrifice.

I poured out a libation on the top of the mountain.

I arranged the sacrificial jars 7 and 7.

In the bottom of the jars I poured the essences of
cane, cedarwood, and myrtle.
The gods smelled the fragrance,
The gods smelled the pleasant fragrance,
¹⁶¹The gods crowded around the sacrifice/er like flies.

ARGUMENT AMONG THE GODS

¹⁶²When the great goddess [Ishtar the fertility goddess]
arrived, she lifted up the necklace which the sky god
Anu (leader of the gods) had made to please her.
“See, the gods here will never forget this lapis necklace,
I will remember these days, and will never forget them.
Let the other gods come to the libation offering.
But do not let the storm god Enlil come to the offering,
for he did not consult anyone and launched the flood,
causing the destruction of my people.”
When the storm god Enlil arrived,
and saw the boat. And Enlil was furious.
He was filled with anger at the Igigi gods in the heavens
“Have any living souls survived? No man should have
survived through the destruction!”
The warrior god Ninurta opened his mouth & said to Enlil:
“Who other than the god of fresh water Ea could have
done this?
It is Ea alone who knows every matter.”
Ea opened his mouth and said to Enlil:
“You are wisest of the gods, you are the hero,
how could you not consult anyone & launch the flood?
Punish the sinner for sin.
Punish the criminal for his crime.
But be lenient, or else he will be cut off.
Be patient, or else he will be dislodged!
Instead of you bringing on a flood, let a lion come
and reduce the number of people.
Instead of you bringing on a flood, let a wolf come
and reduce the number of people.
Instead of you bringing on a flood, let a famine come
and reduce the land.
Instead of you bringing on a flood, let Erra the god of
plagues destroy the people.
I did not reveal the secret of the great gods.
I just showed the exceedingly wise one a dream,
and he perceived the secret of the gods.
¹⁸⁸So the advice was his advice.”

CONCLUSION: THE FLOOD HERO & HIS WIFE GIVEN ETERNAL LIFE

¹⁸⁹The storm god Enlil then boarded the boat.
He took my hand [Utnapishtim] and led me up.
He led my wife and made her kneel down by
my side.
Standing between us, he touched our foreheads,
and he blessed us.
“Until now Utnapishtim has been mortal.
But from now on Utnapishtim and his wife shall
be like us as gods.
Utnapishtim will live far away, at the mouth of
the rivers.
¹⁹⁶They took me and made me live far away, at
the mouth of the rivers.”

This abridged version of the 11th Tablet of the Epic of Gilgamesh is based on James B. Pritchard, ed. *Ancient Near Eastern Texts Relating to the Old Testament* 3rd ed. (Princeton, NJ: Princeton U Press, 1969), 93-95; Stephanie Daley, *Myths from Mesopotamia: Creation, The Flood, Gilgamesh, and Others* (Oxford, UK: U Press, 1989), 110-116.

THEORY OF SOURCES

JAHWIST & PRIESTLY ACCOUNTS

J AUTHOR

J Creation Account
J Flood Account
J Post-Flood Account

P AUTHOR

P Creation Account
P Flood Account
P Post-Flood Account

REDACTOR

P Creation Account	GEN 1
J Creation Account	GEN 2
P Flood Verse	GEN 6-9 Biblical Flood Account
J Flood Verse	
P Flood Verse	
J Flood Verse	
P Post-Flood Verse	GEN 10 Biblical Post-Flood Account
J Post-Flood Verse	
P Post-Flood Verse	
J Post-Flood Verse	

VERSE DISTRIBUTION IN BIBLICAL FLOOD ACCOUNT GENESIS 6-9

J FLOOD VERSES	P FLOOD VERSES
6:5-8	
	6:9-22
7:1-5	
	7:6
7:7-8	
	7:9
7:10	
	7:11
7:12	
	7:13-16a
7:16b-17	
	7:18a
7:18b	
	7:19-21
7:22-23	
	7:24-8:2a
8:2b-3a	
	8:3b-5
8:6	
	8:7
8:8-12	
	8:13a
8:13b	
	8:14-19
8:20-22	
	9:1-19

Note:
P source also includes: Gen 5; 11:10-26
J source: Gen 3-4; 11:1-9

PROBLEMS IN THE BIBLICAL FLOOD ACCOUNT (GEN 6-9)

EVENT CONFLICTS

Conflicts between the events in Gen 6-9 also raise doubts concerning the historicity of the flood account. To mention three obvious examples:

- Two different Divine orders are given to load the animals in the ark.

Gen 6:19 states that God (*'Elōhîm*) commands Noah to bring "two of every kind of bird, of every kind of animal and of every kind of creature that moves along the ground."

BUT

Gen 7:2-3 states the Lord (*Yahweh*) commands him to take "seven of every kind of bird," "seven of every kind of clean animal" and "two of every kind of unclean animal."

- Two conflicting accounts of entering the ark exist.

Gen 7:7-8 states that Noah, his family and the animals went into the ark, and "after seven days the floodwaters came" (v. 10).

BUT

Gen 7:13-15 asserts that every person and every animal entered the ark "on the very day" that "all the springs of the great deep burst forth, and the floodgates of the heavens were opened" (v. 11).

- Two different versions are presented of when the rain ceased.

Gen 7:12 asserts that it rained for 40 days and 40 nights, implying that the rain ended after 40 days.

BUT

Gen 8:2 states that "the rain stopped" after the 150 day period during which the flood prevailed on earth (7:24)

CHRONOLOGY CONFLICTS

Conflicts emerge with the chronology in Gen 6-9. The dates and days do not align. This is clearly seen in the period between the start of the flood and the landing of the ark in the Ararat Mountains.

600th year, 2nd month and 17th day of Noah's life.

- Flood begins.
- Springs of the deep burst & floodgates of heaven open (7:11)
- **40 days** rain falls (7:12, 17)
- Waters rise and cover the highest mountains (7:18-20)
- All life outside the ark perishes (7:21-23)
- **150 days** flood prevails over the earth (7:24)
- God remembers Noah (8:1a)
- God sends a wind and the waters recede (8:1b)
- Springs of the deep and floodgates of heaven close (8:2a)
- Rain stops (8:2b)
- Waters recede (8:3a)
- **150 days** waters decrease (8:3b)

600th year, 7th month and 17th day of Noah's life.

Ark lands in Ararat mountains (8:4)

Adding the number of days (40 + 150 + 150) that are mentioned between the two dates of Noah's age totals 340. If the 40 days of rain are included in the 150 day period that the flood prevails over the earth, then the sum is 300. However, according to the dates of Noah's age there are exactly 5 months between the start of the flood and the landing of the ark. Using either a lunar (29½ days) or 30-day month provides only 147½ and 150 days, respectively. In order to correct this glaring discrepancy, many historical concordists collapse all the events between Gen 7:11 and 8:4 into a 150 day period. But this approach betrays the sequential order of consecutive events plainly stated in Scripture.

Jahwist Flood Account

INTRODUCTION: SINFUL STATE OF THE WORLD BEFORE THE FLOOD & DIVINE JUSTIFICATION FOR DESTRUCTION

6 ⁶The **LORD** saw that the evil of man on the earth was great, and that every imagination of the thoughts of his heart was only evil all of the day. ⁶The **LORD** was sorry that He had made man on the earth, and it hurt his heart. ⁷The **LORD** said, “I will wipe out man, whom I have created, from the face of the ground—from man, to animal, to crawler, and to bird of the heavens for I am sorry that I made them.” ⁸But Noah found favor in the eyes of the **LORD**.

DIVINE WARNING OF THE FLOOD & PREPARATION FOR PRESERVATION OF LIFE IN THE ARK

7 ¹The **LORD** said to Noah, “Go into the ark, you and all your household, because I found you righteous before my face in this generation. ²Take with you 7 pairs [literally: ‘seven seven;’ or ‘seven by seven’] from every clean animal, a man and his woman, and two from every animal that is not clean, a man and his woman, ³also 7 pairs from every bird of the heavens, male and female, to keep alive seed on the face of all the earth. ⁴For in 7 days from now I will send rain on the earth, 40 days and 40 nights; and I will wipe out from the face of the earth all the standing which I made.” ⁵Noah did exactly all that the **LORD** commanded him. ⁷Noah entered, and his sons, and his wife, and his sons' wives into the ark from the face of waters of the flood—⁸from clean animal and from animal that is not clean, and from bird, and all that crawls on the ground.

THE LAUNCH OF THE FLOOD

¹⁰It was after the 7 days the waters of the flood came on the earth ¹²& the rain fell on the earth 40 days & 40 nights. ^{16b}The **LORD** shut him in. ¹⁷The flood was 40 days on the earth, the waters increased, they lifted the ark, and it rose from on the earth. ^{18b} And the ark floated on the surface of the waters. ²²All that had the breath of life in its nostrils, from all that was on the dry land, they died. ²³It wiped out all the standing that was on the face of the ground—from man, to animal, to crawler, and to bird of the heavens. They were wiped out from the earth. Only Noah was left and that with him in the ark.

THE RETREAT OF THE FLOOD

8 ^{2b}The rain from the heavens was stopped. ^{3a}The waters receded from the earth and they continued to recede. ⁶It was at the end of 40 days and Noah opened the window of the ark that he had made. ⁸He sent out a dove from him to see if the waters had subsided from the face of the ground. ⁹But the dove found no place to set her foot and she returned to him to the ark because the waters were on the face of all the earth. He put out his hand and took her and brought her with him into the ark. ¹⁰He waited yet another 7 days and he repeated to send out the dove from the ark. ¹¹The dove returned to him in the time of evening. And behold a freshly plucked olive leaf was in her mouth! Noah knew that the waters had subsided from on the earth. ¹²He waited yet another 7 days and he sent out the dove out. But she did not repeat to return to him again. ^{13b}Noah removed the covering from the ark and looked. And behold the faces of the ground were dry!

CONCLUSION: AFTER THE FLOOD & DIVINE PROMISE NEVER TO FLOOD THE WORLD AGAIN

²⁰Noah built an altar to the **LORD**. He took from every clean animal and from every clean bird, and he offered burnt offerings on the altar. ²¹The **LORD** smelled the pleasant smell. The **LORD** said in his heart, “Never again will I repeat to curse the ground because of man though the imagination of the heart of man is evil from his youth. Never again will I repeat to strike all living as I have done. ²²While all the days of the earth—seedtime and harvest, cold and heat, summer and winter, day and night will not rest.”

NOTE: This translation of the J Flood Account above and that of the P Flood Account on pages 37 & 38 follow the original Hebrew as literally as possible in order to accentuate similarities and differences. The grammatical constructions will on occasions be clumsy to English-speaking readers. For example, the divine promise in the Jahwist flood account begins with “never again will I repeat to . . .” (Gen 8:21 [2X]) while in the Priestly source it is “never again will . . .” (Gen 9:11, 15).

TERMS, PHRASES & STYLISTIC FEATURES

IN THE JAHWIST FLOOD ACCOUNT

LORD (<i>Yahweh</i>)	10X. See below for verses.
face (of)	9X. 6:7; 7:1, 3, 4, 7, 23; 8:8, 9, 13b
heart	4X. 6:5, 6; 7:21 (2X)
wipe out	4X. 6:7; 7:4, 23 (2X)
clean animal & animal that is not clean	4X. 7:2,8; see also 8:20 (2X)
from man, to animal, to crawler, and	2X. 6:7; 7:23
to bird of the heavens	
never again will I repeat to . . .	3X. 8:21 (2X); see also 8:12
imagination	2X. 6:5; 8:21
Lord given anthropomorphic features:	4X.
He is sorry He made humanity	6:6
His heart is hurt	6:6
He smells an offering	8:21
He talks in His heart	8:21
Stylistic 7 & 40	10X.
7 pairs	2X. 7:2, 3
7 days	4X. 7:4, 10; 8:10,12
40 days & 40 nights	2X. 7:4, 12
40 days	2X. 7:17; 8:6

SIMILARITIES

BETWEEN THE JAHWIST CREATION ACCOUNT & THE JAHWIST FLOOD ACCOUNT

	J Creation	J Flood
LORD (<i>Yahweh</i>)	29X. 2:4, 5, 7, 8, 9, 15, 16, 18, 19, 21, 22; 3:1, 8 (2X), 9, 13, 14, 21, 22, 23; 4:1, 3, 4, 6, 9, 13, 15 (2X), 26	10X. 6:5, 6, 7, 8; 7:1, 5, 16b; 8:20, 21 (2X)
ground (<i>'ădāmâ</i>)	14X. 2:5, 6, 7, 9, 19,; 3:17, 19, 23; 4:2, 3, 10, 11, 12, 14	6X. 6:7; 7:8, 23; 8:8, 13b, 21,
evil	2:9, 17; 3:5, 22	6:5 (2X) 8:21
curse/d	3:14, 17; 4:11	8:21
breath of life 'in nostrils'	2:7	7:22
man (<i>'îsh</i>) woman (<i>'ishshâ</i>)	2:23, 24	7:2 (2X)
offering	4:3, 4, 5	8:20
rain	2:5	7:4, 10; 8:2b
repeat/ed to (a verb)	4:2, 12	8:10, 21 (2X)
face of the ground	2:6; 4:14	6:7, 8:8, 13b
ratio of 'earth' (<i>'ereš</i>) to 'ground' (<i>'ădāmâ</i>)*	9/14	15/6
*P Creation ratio: 16/1		
P Flood ration: 31/2		

Priestly Flood Account

A. NOAH & HIS SONS BEFORE THE FLOOD

6^{9b} Now Noah was a righteous man. He was blameless among his contemporaries. Noah walked with **GOD**.

¹⁰Noah fathered three sons: Shem, Ham, and Japheth. ¹¹The earth was corrupt in **GOD**'s sight and was filled with violence. ¹²**GOD** saw the earth. And behold, it was corrupt, for all flesh on earth had corrupted its ways.

B. PROMISE TO FLOOD EARTH & MAKING OF THE ARK TO SAVE LIFE

¹³**GOD** said to Noah, "I have determined to put an end to all flesh, for the earth is filled with violence because of them. So I am going to destroy them with the earth. ¹⁴Make yourself an ark of cypress wood; make rooms in the ark, and coat it inside and out with pitch. ¹⁵This is how you are to make it: The length of the ark 300 cubits, its width 50 cubits, its height 30 cubits. ¹⁶Make a roof for the ark, and finish it to 1 cubit above. Put a door in the side of the ark. Make lower, second, and third decks. ¹⁷Now behold, I am going to bring the flood of waters on the earth to destroy all flesh that has in it the breath of life from under the heavens; all that is on the earth will die.

C. GOD & THE COVENANT

¹⁸But I will establish my covenant with you, and you will enter the ark—you, and your sons, and your wife, and your sons' wives with you.

D. PRESERVATION OF LIFE & FOOD FOR SUSTAINING LIFE ON THE ARK

¹⁹From all the living, from all flesh, two from all you will bring into the ark to keep alive with you; they will be male and female. ²⁰From the bird according to its kind, and from the animal according to its kind, from the crawler of the ground according to its kind; two from all will come to you to be kept alive. ²¹But you: Take every food that is eaten, and store it. It is food for you and for them." ²²Noah did all that **GOD** commanded him; so he did.

E. NOAH, FAMILY & ANIMALS ENTER THE ARK

7⁶ Now Noah was 600 years old when the flood waters came on the earth. ⁹Pairs came to Noah to the ark, male and female, as **GOD** commanded Noah. ¹¹On that day all the springs of the great deep burst forth, and the windows of the heavens were opened. ¹³On that very same day, Noah, and Shem, Ham and Japheth, the sons of Noah, and Noah's wife, and the three wives of his sons with them entered the ark; ¹⁴they and every wild animal according to its kind, and every domesticated animal according to its kind, and every crawler on the earth according to its kind, and every bird, and every wing. ¹⁵They came to Noah into the ark two by two from all flesh that has in it the breath of life. ^{16a}Those that came, male and female from all flesh, they entered just as **GOD** had commanded him.

F. MOUNTAINS COVERED BY FLOOD

^{18a}The waters triumphed and increased greatly over the earth. ¹⁹The waters triumphed greatly over the earth, and all the high mountains were covered that were under all the heavens. ²⁰To a depth of 15 cubits the waters triumphed and the mountains were covered.

G. 150 DAYS THE WATERS PREVAIL

²¹All flesh that crawls on the earth died—consisting of every bird, and consisting of every domesticated animal, and consisting of every wild animal, and consisting of every swarmer swarming on the earth, and all man.

²⁴The waters triumphed over the earth **150 days**.

CENTRE OF CHIASM:

8¹ **GOD** remembered Noah & every wild animal & every domesticated animal that were with him in the ark.

CENTRE OF CHIASM:

8 ¹**GOD** remembered Noah & every wild animal & every domesticated animal that were with him in the ark.

G' 150 DAYS THE WATERS DECREASE

He sent a great wind over the earth, and the waters subsided. ^{2a}The springs of the deep and the windows of the heavens were closed. ^{3b}The waters decreased at the end of **150 days**.

F' MOUNTAINS UNCOVERED

⁴The ark rested on the mountains of Ararat. ⁵The waters continued to decrease until the tops of the mountains were seen. ⁷He sent out a raven, and it went back and forth until the waters were dried up from on the earth. ^{13a}And it was the waters were dried from on the earth. ¹⁴The earth was completely dry.

E' NOAH, FAMILY & ANIMALS LEAVE THE ARK

¹⁵**GOD** spoke to Noah, saying, ^{16a}"Come out of the ark, you, and your wife, and your sons, and the wives of your sons with you, ¹⁷all the living that is with you from all flesh—consisting of every bird, and consisting of every animal, and consisting of every crawler crawling on the earth. Bring them out with you so that they can swarm on the earth and be fruitful and increase on the earth." ¹⁸Noah came out, and his sons, and his wife, and his sons' wives with him; ¹⁹all the living, every crawler, and every bird, every crawler on the earth, according to their clans, they came out from the ark.

D' MULTIPLICATION OF LIFE & FOOD FOR SUSTAINING LIFE AFTER THE ARK

9 ¹**GOD** blessed Noah and his sons. He said to them, "Be fruitful and increase and fill the earth. ²The fear and dread of you will be on all the life of the earth, and on every bird of the heavens, on all that crawls the ground, and on all the fishes of the sea; into your hands they are given. ³Every crawler that lives will be food for you, as I gave you the green plants, to you everything. ⁴But flesh with its life, its blood, you must not eat. ⁵But surely, I will demand your blood for breaths of you, from the hand of all life I will demand, and from the hand of man, from the hand of a man his brother I will demand the breath of the man. ⁶Whoever sheds the blood of man, by man his blood will be shed; because in the Image of **GOD** He made man. ⁷But as for you, be fruitful and increase; swarm on the earth and increase on it."

C' GOD & THE COVENANT

⁸**GOD** said to Noah and to his sons with him, saying, ^{9a}"Behold, I establish my covenant with you and with your descendants after you ¹⁰and with all breath of life that was with you—with every bird, with every domesticated animal, and with every wild animal, of all those that came out of the ark, with all life of the earth.

B' PROMISE NEVER TO FLOOD EARTH AGAIN & MAKING OF THE COVENANT TO SAVE LIFE

¹¹I establish my covenant with you. Never again will all flesh be cut off by waters of the flood. Never again will there be a flood to destroy the earth."¹²**GOD** said, "This is the sign of the covenant I am making between me and you and every living breath that is with you, a covenant for generations to come: ¹³I have set my bow in the cloud, and it will be the sign of the covenant between me and the earth. ¹⁴When I bring clouds over the earth and the bow is seen in the clouds, ¹⁵I will remember my covenant that is between me and you, and between every living breath, and with all flesh. Never again will the waters become a flood to destroy all flesh. ¹⁶When the bow is in the clouds, I will see it and remember the everlasting covenant between **GOD** and every living breath and with all flesh that is on the earth." ¹⁷**GOD** said to Noah, "This is the sign of the covenant that I have established between me and all flesh that is on the earth."

A' NOAH & HIS SONS AFTER THE FLOOD

^{18a}The sons of Noah who came out of the ark were Shem, Ham, and Japheth. ¹⁹These were the three sons of Noah, and from these all the earth was populated. ¹⁰ ^{1b}And they became fathers to sons after the flood.

TERMS, PHRASES & STYLISTIC FEATURES

IN THE PRIESTLY FLOOD ACCOUNT

GOD (<i>'Ēlōhîm</i>)	15 X. See below for verses
all flesh	13X. 6:12, 13, 17, 19; 7:15, 21, 15 (2X); 9:11,15 (2X), 16, 17
covenant	9X. 6:18; 9:9, 11, 12 (2X), 13, 15, 16, 17
remember	3X. 8:1; 9:15, 16
bow in the clouds	3X. 9:13, 14, 16
never again will . . .	3X. 9:11 (2X), 15
springs of great deep & windows of heavens	2X. 7:11, 8:2
mountains	4X. 7:19, 20; 8:4, 5
waters triumphed over the earth	3X. 7:18, 19, 24; also see 7:2
two from all, two by two from all	3X. 6:19, 20; 7:15
food	3X. 6:21 (2X), 9:3
cubits	5X. 6:15 (3X), 16; 7:20
stylistic number 5 & multiples of 5	
use of GOD (<i>'Ēlōhîm</i>)	15 times = 3 X 5
depth of waters over mountains	15 cubits = 3 X 5
height of ark	30 cubits = 6 X 5
width of ark	50 cubits = 10 X 5
length of ark	300 cubits = 60 X 5
total duration of flood	300 days = 60 X 5
period of flooding	150 days = 30 X 5
period of drying	150 days = 30 X 5
age of Noah	600 years = 120 X 5

SIMILARITIES

BETWEEN THE PRIESTLY CREATION ACCOUNT & THE PRIESTLY FLOOD ACCOUNT

	P Creation	P Flood
GOD (<i>'Ēlōhîm</i>)	35X. 1:1, 2, 3, 4 (2X), 5, 6, 7, 8, 9, 10 (2X), 11,12, 14, 16, 17, 18, 20, 21 (2X), 22, 24, 25 (2X), 26, 27 (2X), 28 (2X), 29, 31; 2:2, 3 (2X)	15X. 6:9b, 11, 12, 13, 22; 7:9, 16a; 8:1, 15; 9:1, 6, 8, 12, 16, 17
man made in Image of God according to its/their kind/s	1:26-27 [also 5:1-3] 1:11, 1:12 (2X), 1:21 (2X), 1:24 (2X), 1:25 (3X)	9:6 6:20 (3X), 7:14 (3X)
male (<i>zākār</i>) and female (<i>neqēbah</i>)	1:27	6:19; 7:9, 16
be fruitful & increase	1:28	8:17, 9:2, 9:7
God blessed	1:22, 28; 2:3; [also 5:2]	9:1
wild & domesticated animals	1:24, 1:25	7:14, 7:21, 8:1, 9:10
birds referred to as 'wing'	1:21	7:14
crawler crawling on earth	1:26	7:14, 8:17
swarm	1:20, 1:21	8:17, 9:7
green plants for food	1:29-30	9:3
the deep	1:2	7:11, 8:2

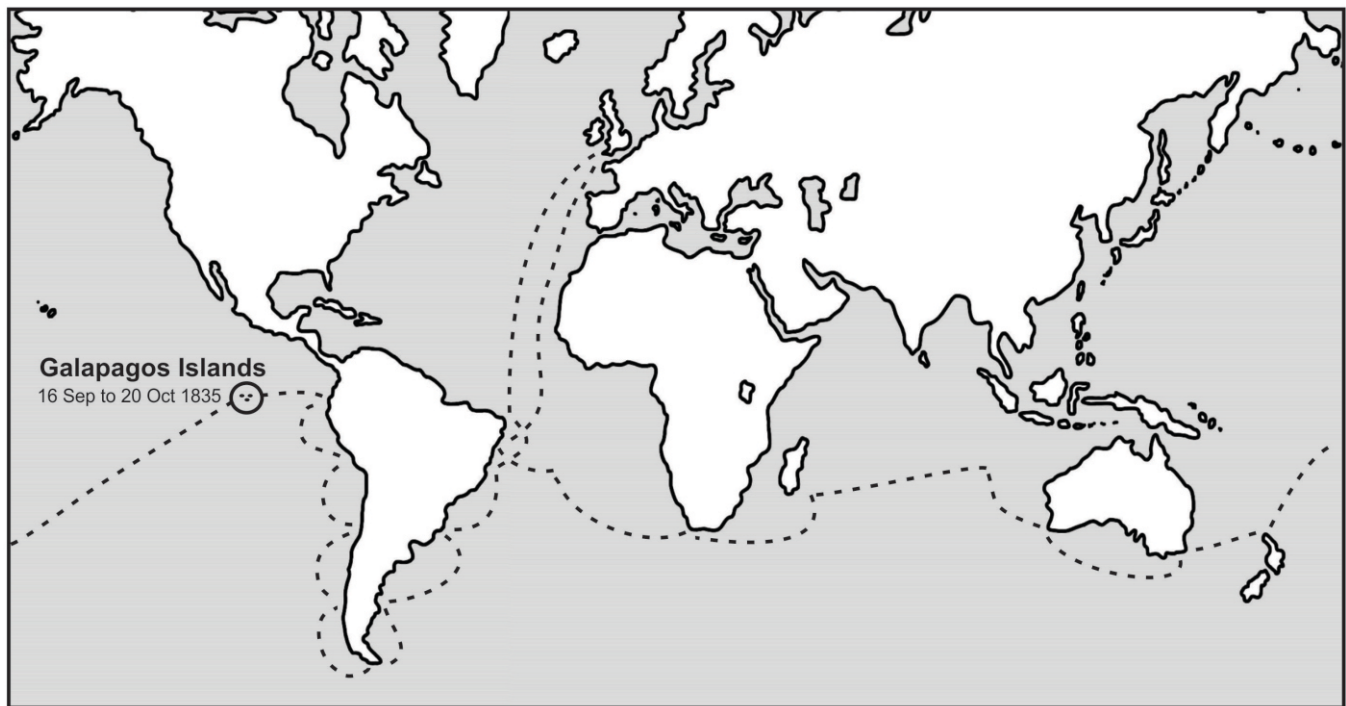
MESSAGE-INCIDENT PRINCIPLE

NEW APPLICATION



DARWIN'S HMS BEAGLE VOYAGE

27 December 1831 to 2 October 1836



Redrawn from P Bowler, *Charles Darwin*
(Cambridge: U Press, 1990), 54