

Noah's Ark and the Flood Calculations

Size in Cubits 1 Cubit = 18"	Size in Ft.	Number of Decks	Ft^2 Each Deck	Total Ark Ft^2. All 3 Decks	1 Yr. Animal Food Storage (20% ft^2)	Walkways, Pen walls, etc.) (10% ft^2)	Bedding (Not mentioned in the bible) ft^2	Total USEABLE ft^2 on Ark (NC Bedding)	Total Useable ft^2 on Ark (Incl Bedding)
300x50x30	450x75x45	3	33,750.00	101,250.00	20,250.00	10,125.00	25,312.50	70,491.00	45,178.50
				8 Humans Food	384.00				
Species Totals on Ark	Total ft^2 divided by 2 for species pair (WO Bedding)	Total ft^2 average for all species (WO Bedding)	Ft^2 Minimum (EA) Rhino 11,000 Cow = 20-50 Bird = 2-10	Total ft^2 divided by 2 for species pair (With Bedding)	Total ft^2 average for all species (With Bedding)	Ft^2 Minimum! (EA) Rhino 11,000 Cow = 20-50 Bird = 2-10	Humans Sleeping Hours + Eating + Hygeine Per 24 Hrs. (Each Man)	Maintenance (Loading Food, Mucking Stalls/Cages, Feeding, etc. time per Animal / Bird Pair (Not Including 7 of Unclean!) (Avg Minutes)	
110,000	35,245.50	0.320		22589.25	0.205		9.00 Hours	0.07 Minutes	
5,000	35,245.50	7.049		22589.25	4.518	People on Board	8	1.44 Minutes	
2,860	35,245.50	12.324	Liberal actual average estimates of species requirements of B17 area	22589.25	7.898			2.52 Minutes	
1,717	35,245.50	20.527		22589.25	13.156			4.19 Minutes	

*Notes

Water collection and storage placed outside on upper deck to get the most useable space in the Ark as possible
 Scriptures do not include storage for bedding! This could be as more than the food storage requirements.
 Does NOT include 7 types of clean animals! Only used pairs in the calculation.
 Rhino's and elephants are impractical in the ark because of how much space they need for their pen
 Noah, family, and animals were 370 days in the ark.
(B17) There are 110,000 species of animals and birds in Turkey, Ancient Persia, Israel, and Egypt alone.
 miyn, meen translated "kind" means species. They did not have taxonomy labels and we understand the word as species. To say something else defies both the science and what people understood at the time.

Conclusion

Going by these estimates, the flood was not worldwide. In fact the animal collection area would have been no larger than the landmass between 3 million km^2 to 1.7 million km^2 or roughly the size of Iran if literal.
 Other possibilities are there is a lot left out of the story OR the story is actually an allegory.

Zoo Keeper Typical Daily Time Per Animal (INCLUDES Automatic Systems (like watering) not present on the Ark!)

Animal Type	Approximate Keeper Time Per Animal Per Day
Small reptiles/amphibians	2-10 minutes
Birds/small mammals	5-20 minutes
Hoofstock (zebra, antelope, deer)	10-30 minutes
Primates	20-60 minutes
Big cats/bears	20-45 minutes
Elephants, marine mammals, apes	1-4+ hours

A single keeper might care for:

40-100 reptiles or birds
 10-30 medium mammals
 2-8 large mammals
 (Per one shift.)



