

Table Captions

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Table 10. Physiographic Statistics for Lake Malawi/Nyasa

Table 11. Flora (Macrophytes, Phytoplanktons) and Fauna (Fish) found in the lakes

Table 1.

L. Victoria	<ul style="list-style-type: none"> • The second largest fresh water lake in the world • Hosts 500+ species of cichlids • Supports about 30 million people • Source of River Nile • Fastest cichlid fish evolution recorded
L. Tanganyika	<ul style="list-style-type: none"> • Approximately 12 million years old • The oldest of African lakes and second to lake Baikal in age and depth • Hosts 250+ species of cichlids • Hosts about 600 non cichlid species • Hosts about 2,000 species of plants and animals • Supports about 10 million people
L. Malawi/Nyasa	<ul style="list-style-type: none"> • Approximately 2 million years old • Hosts 700+ species of cichlids • Supports about 11 million people
L. Naivasha	<ul style="list-style-type: none"> • Only fresh water lake in the Kenya's Rift Valley floor • Hosts over 400 species of birds • Habitat to several animal species • Supports about 250,000 people • Only lake with community management
L. Nakuru	<ul style="list-style-type: none"> • Home to flocks of flamingo birds, greater and lesser cormorants, 1.5 million birds and wildlife species • Tourist attraction site • Supports 400,000 people
L. Baringo	<ul style="list-style-type: none"> • 300 species of birds identified • Home to fish and animal species • Aesthetic beauty
L. Chad	<ul style="list-style-type: none"> • Supports 20 million people • Once second largest wetland in Africa • Fastest drying lake in Africa • Hosts 93 species of fish
L. Kariba	<ul style="list-style-type: none"> • One of the largest man made lakes in the world • Source of water, electricity, fisheries, recreation and bird watching • Home to birds and animal species

Table 2

Latitude	0° 21' N
Longitude	3° 0' S
Age	About 400,000 years
Altitude	1100 m
Length	337 km
width	240 km
Surface Area	68,870 km ²
Volume	2,760 km ³
Shoreline	3450 km
Perimeter	3200 km
Maximum depth	84 m
Mean depth	40 m
Catchments	184,000 km ²
Oxygenated Zone	-35 m
Transparency	1.5 m
Temperature	24°C- 28°C
pH	7.6-8.2

Table 3

Latitude	03° 20'-08° 48' S
Longitude	29° 03'-31° 12' E
Age	About 12 million years
Altitude	773 masl
Length	673 km
width	12-90 km, average about 50 km
Surface Area	32,600 km ²
Volume	18,880 km ³
Shoreline	1,838 km
Maximum depth	1,320 m in north basin, 1,470 m in south basin
Mean depth	570 m
Catchments	220,000 km ²
Stratification	Permanent, meromictic
Oxygenated Zone	-70 m depth in north, -200 m depth in south
Transparency	7-16 m
Temperature	23-27°C
pH	8.6-9.2
Salinity	About 460 mg/l

Table 4.

Latitude	9° 34'-14° 40'S
Longitude	33° 50'-33° 36'E
Age	About 2 million years
Altitude	471m
Length	505/603km
width	87km
Surface Area	43,935-52,461km ²
Volume	84,000km ³
Shoreline	1500km
Maximum depth	704-785m
Mean depth	290-426m
Catchments	126,500km ²
Oxygenated Zone	170-210m
Transparency	12-20m
Temperature	22.1-29.5°C (depending on depth)
pH	7.9-9.1 surface, 7.8 (300m deep)

Table 5.

Latitude	0° 42' - 0° 50'S
Longitude	36° 16'-36° 26'E
Age	2 million
Altitude	1885 m
Length	17km
width	14km
Surface Area	180-210km ²
Volume	50-600 m ³
Perimeter	130 km
Maximum depth	Crescent island, 15 m
Mean depth	4-6 m
Catchments	3,292 km ²
Oxygenated Zone	5.6-8.2 mg/l
Temperature	Mean Max. 19.5-23°C, Min. 16°C
pH	8.5-9.0
Salinity	150-185 mg/l
Evaporation	1735-1865 mm/yr

Table 6.

Latitude	0° 22'S
Longitude	36° 05' E
Altitude	1,759 masl
Surface Area	42 km ²
Volume	0.092 km ³
Maximum depth	4.0 m
Mean depth	2.5 m
Catchments	1800 km ²
Oxygenated Zone	Mean 6-8mg/l
Evaporation	1539 mm/yr
Temperature	18.2°C
pH	10.5
Salinity	122mg/l


Table 7.

Latitude	0° 32' – 0° 44'N
Longitude	36° 02' – 36° 08'E
Altitude	975 m asl
Length	22 km
Width	10 km
Surface Area	129 km ²
Maximum depth	8 m
Catchments	6,820 km
Conductivity	420 µS/cm
Secchi depth	0.1 m
Temperature	21 – 31 °C
PH	8-9

Table 8.


Latitude	12° 20'-14° 20' N
Longitude	13° 00'-15° 20'E
Altitude	280 m asl
Surface Area	10,000-25,000 km ²
Volume	72 km ³
Shoreline	500-800 km
Maximum depth	10-11m
Mean depth	1.5 m
Catchments	2,426,370 km ²
Temperature	20 – 30 °C
pH	7.2-8.0

Table 9.

Site Name	AFR-04	
Lake Name	Lake Kariba	
State	Southern, Zambia; and Matabeleland North and Mashonaland West, Zi	
Country	Zambia and Zimbabwe	
Latitude	17:2S	
Longitude	27:5E	
Altitude [m]	485	

Surface area [m ²]	5,400,000,000	Volume [m ³]	160,000,000,000
Maximum depth [m]	78	Mean depth [m]	31
Water level control	Regulated	Normal range of annual water level fluctuation [m]	2.5
Length of shoreline [m]	2,164,000	Residence time [yr]	3
Catchments area [m ²]	663,000,000,000	Hours of bright Sunshine [hr yr ⁻¹]	2,920
Solar radiation [MJ m ⁻² day ⁻¹]	23.9	Freezing period	None
Mixing type	Monomictic	Annual fish catch [t yr ⁻¹]	11,000

Table 10.

Site Name	AFR-13	
Lake Name	Lake Nyasa (Lake Malawi)	
State	Niassa, Mozambique; Malawi; and Ruvuma, Tanzania	
Country	Mozambique, Malawi and Tanzania	
Latitude	:1S	
Longitude	34:5E	
Altitude [m]	500	
		Photo : H. Bootsma

Surface area [m2]	6,400,000,000	Volume [m3]	8,400,000,000,000
Maximum depth [m]	706	Mean depth [m]	292
Water level control	Regulated	Normal range of annual water level fluctuation [m]	1.25
Length of shoreline [m]	245,000	Residence time [yr]	-
Catchments area [m2]	6,593,000,000	Hours of bright Sunshine [hr yr-1]	2,860

Table 11.

species	L. Victoria	L. Tanganyika	L. Malawi	L. Naivasha	L. Nakuru	L. Chad	L. Baringo	L. Kariba
<i>A. antinorii</i>				+				
<i>O. spirilus niger</i>				+				
<i>M. salmoides</i>				+				
<i>T. zillii</i>	+			+		+		
<i>O. leucostictus</i>				+				
<i>O. niloticus</i>				+			+	
<i>L. reticulata</i>				+				
<i>O. mykiss</i>				+				
<i>B. amphigrama</i>				+				
<i>Microcystis aeruginosa (Kutz.) Kutz</i>				+				
<i>Cyanophyta</i>				+				
<i>Chlorophyta</i>				+				
<i>Bacillariophyta</i>				+				
<i>Cyperus papyrus</i>	+	+		+			+	
<i>Eichhornia crassipes</i>				+				
<i>Pistia stratiotes</i>		+		+		+	+	
<i>Salvinia molesta</i>				+				
<i>Wolffia arrhiza</i>				+				
<i>Nymphaea caerulea (water lilies)</i>		+		+		+	+	
<i>Potamogeton schweinfurthii</i>	+			+				
<i>P. pectinatus</i>				+				
<i>P. octandrus</i>				+				
<i>Najas pectinata</i>				+				
<i>Ipomoea aquatica</i>						+		
<i>Cyrtobagus salviniae</i>				+				
<i>Samea multiplicatus</i>				+				
<i>Neochetina bruchii</i>				+				
<i>Microcystis aeruginosa</i>				+			+	
<i>Lyngbya</i>				+				
<i>Oscillatoria</i>				+				

<i>Tilapia rendalli</i>	+		+			+		+
<i>Claiasr gariepinus</i>								+
<i>Synodontis nebulosus</i>						+		+
<i>Schilbe mystus</i>						+		+
<i>Heterobranchus longifilis</i>								+
<i>Malapterurus electricus</i>								+
<i>Eutopius depressirostris</i>								+
<i>Sarotherodon mossambicus</i>								+
<i>Brachionus calyciflorus</i>							+	
<i>Keratella tropica</i>							+	
<i>Barbus gregori</i>	+						+	
<i>Clarius mossambicus</i>	+						+	
<i>Labeo cylindricus</i>							+	
<i>Citharanus distichodoides</i>						+		
<i>Labeo coubie</i>						+		
<i>Heterotis niloticus</i>						+		
<i>Alestes ssp.</i>	+					+		
<i>Lemna perpusilla</i>						+		
<i>Spirodela polyrhiza</i>						+		
<i>Azolla africana</i>		+				+		
<i>Neptunia oleracea</i>						+		
<i>Potamogeton spp.</i>		+				+		
<i>Vallisneria spp.</i>						+		
<i>Ceratophyllum demersum</i>	+	+				+		
<i>Utricularia spp.</i>		+				+		
<i>Spirulina platensis</i>	+				+			
<i>Cyperus laevigatus</i>					+			
<i>Typha domingensis</i>	+				+			
<i>Sporobolus spicatus</i>					+			
<i>Paradiaptomus africana</i>					+			

<i>Brachionus spp.</i>					+			
<i>Oreochromis alcalicus grahami</i>					+			
<i>Varicorhinus nyassensis</i>			+					
<i>Labeo mesops</i>			+					
<i>Opsaridium microcephalus</i>			+					
<i>Bagrus meridionalis</i>			+					
<i>Bathyclarias sp</i>			+					
<i>Oreochromis squamipinnis</i>			+					
<i>O. shirana</i>			+					
<i>O. saka</i>			+					
<i>Haplochromis kiwinge</i>	+		+					
<i>H. livingstonii</i>	+		+					
<i>H. taeniolatus</i>	+		+					
<i>H. phenochilus</i>	+		+					
<i>Lethrinops sp</i>			+					
<i>Pseudotropheus sp</i>			+					
<i>Labidochromis sp.</i>			+					
<i>Labeotropheus sp.</i>			+					
<i>Serranochromis thumbergi</i>			+					
<i>Rhamphochromis sp</i>			+					
<i>Thpha, Carex</i>		+						
<i>Stolothrissa tanganikae</i>		+						
<i>Limnothrissa miodon</i>		+						
<i>Lamprichthys tanganicus</i>		+						
<i>Engraulicypris minutus</i>		+						
<i>Bathybates minor</i>		+						
<i>Bolengorochromis microlepis</i>		+						
<i>Lates mariae</i>		+						
<i>L. angustifrons</i>		+						
<i>L. stappersi</i>		+						
<i>Phragmites spp</i>	+							

<i>Vossia</i>	+							
<i>Hydrilla verticillata</i>	+							
<i>Polygonum spp</i>	+							
<i>Tilapia niloticus</i>	+							
<i>Labeo victorianus</i>	+							
<i>Protopterus aethiopicus</i>	+							
<i>Bagrus docmac</i>	+							
<i>Scibe</i>	+							
<i>Melosira nyassensis</i>	+							
<i>Lyngbya contorta</i>	+							
<i>Pediastrum clathratum</i>	+							
<i>Glenodinium spp.</i>	+							
<i>enedesmus spp</i>	+							
<i>Cyclotella spp</i>	+							
<i>Fragillaria spp</i>	+							
<i>scillatoria spp</i>	+							
<i>Kirchneriella sp</i>		+						
<i>Treubaria sp</i>		+						
<i>Chroococcus limneticus</i>		+						
<i>Chrysochromulina parva</i>		+						+
<i>Chromulina sp.</i>		+						
<i>Nitzschia sp</i>		+			+			
<i>Stephanodiscus sp.</i>		+						
<i>Strombidium sp</i>		+						
<i>Closterium aciculare</i>						+		
<i>Pediastrum sp</i>						+		
<i>Botryococcus sp.</i>						+		
<i>Microcystis sp.</i>						+		
<i>Melosira granulata</i>						+		+
<i>Surirella muelleri</i>						+		

<i>Cylindrospermopsis raciborskii</i>									+
<i>Lyngbya sp</i>									+
<i>Synedra acus</i>									+
<i>Peridinopsis cunningtonii</i>									+
<i>Synechococcus spp</i>						+			
<i>Anabaenopsis arnoldii</i>						+			
<i>A. elenkinii</i>						+			
<i>Navicula elkab</i>						+			
<i>Nitzschia frustulum</i>						+			
<i>Chroococcus minutus</i>						+			

Source: World Lakes Database, A Directory of African Wetlands,