Version 2

Lake Bottom (Strata), Lake Victoria, Vector Point, ~2017

Reference Information and Units:

Projection: African Lambert Conformal Conic

ESRI: 102024 (https://epsg.io/102024)

GCS: GCS_WGS_1984

File Naming Convention:

V2_Strata_Points.shp

Data Origin:

Admiral Bathymetric Charts:

Description: British admiral bathymetry maps of the lake. Maps were scanned and georeferenced. Once georeferenced the points were digitized and the strata was recorded.

Points: Approximately 541

Year: 1900-1955

Acoustic Sounder:

Description: Description: Points were taken to determine the strata of the lake by using a Simrad EK60 echo sounder. The points were read into Arc using X,Y coordinates

Points: Approximately 46

Year: 2009

Data Development

Strata points were obtained using admiral bathymetry charts and points taken out in the field. The points from the admiral bathymetry charts were digitized. The points taken in the field were brought into ArcMap using X, Y coordinates. The strata was recorded for each point in the following fields “Strata1”, “Strata2”, “Strata3”, and “Stra_srce”. Field descriptions can be found below.

Fields:

Z- Depth in Meters

Strata1- the strata type. Mud/Sand/Rock/Gravel/Humus

Example: m

Strata2- the texture of the strata type. Soft/Medium/Hard

Examples: sft

Strata3- the color of the strata. Black

Examples: blk

Stra_srce- source where the strata came from. Admiral Bathymetric Charts

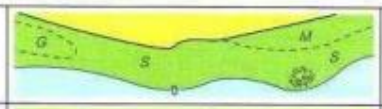
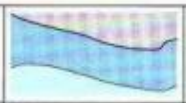
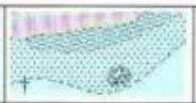
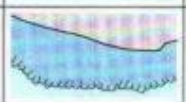
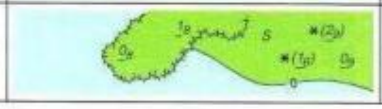
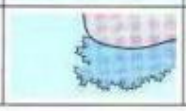
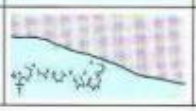
Example: Admirality

Legend

Legend from Chart 5011. Symbols and Abbreviations used on Admiralty Paper Charts is below

1	S	Sand	† s	425 427
2	M	Mud	† m	
3	Cy	Clay	† cl	
4	Si	Silt		
5	St	Stones	† st	
6	G	Gravel	† g	
7	P	Pebbles	† peb	
8	Co	Cobbles		
9.1	R	Rock, Rocky	† r	
9.2	Bo	Boulder(s)		42[illegible]
10	Co	Coral	† crl	
11	Sh	Shells	† sh	
12.1	S/M	Two layers e.g. Sand over Mud	#M (25)/SG S (<1)/R (Thickness of surface layer in metres)	425.8
12.2	fS.M.Sh	Mixed: where the seabed comprises a mixture of materials, the main constituent is given first, e.g. fine Sand with Mud and Shells		425.9
13.1	Wd	Weed (including Kelp)	† wd	425.5
13.2		Kelp		426.2
14		Sandwaves		428.1
15		Spring in seabed		428.3
a		Ground	† Gd gnd	
b		Ooze	† Oz	
c		Marl	† M	
d		Shingle	† Sn shin	
e		Chalk	† Ck chk	
f		Quartz	† Qz qrtz	
g		Madrepore	† Md mad	
h		Basalt	† Ba	
i		Lava	† Lv	
j		Pumice	† Pm pum	
k		Tufa	† T	
l		Scoriæ	† Sc	
m		Cinders	† Cn cin	

n		*Manganese*	†	*Mn* man	
o		*Glauconite*	†	*Gc*	
p		*Oysters*	†	*Oy* oys	
q		*Mussels*	†	*Ms* mus	
r		*Sponge*	†	*Sp*	
s		*Algae*	†	*Al*	
t		*Foraminifera*	†	*Fr* for	
u		*Globigerina*	†	*Gl*	
v		*Diatoms*	†	*Di*	
w		*Radiolaria*	†	*Rd* rad	
x		*Pteropods*	†	*Pt*	
y		*Polyzoa*	†	*Po* pol	

Intertidal Areas					
20		*Area of sand and mud with patches of stones or gravel*			426.1
21		*Rocky area*			426.2
22		*Coral reef*			426.3

Qualifying Terms				
30	*f*	*Fine*		425 427
31	*m*	*Medium* — *only used in relation to sand*		
32	*c*	*Coarse*		
33	*bk*	*Broken*	† brk	
34	*sy*	*Sticky*	† stk	
35	*so*	*Soft*	† sft	
36	*sf*	*Stiff*	† stf	
37	*v*	*Volcanic*	† vol	
38	*ca*	*Calcareous*	† cal	
39	*h*	*Hard*		425.5 425.7

aa		*Small*	† sm	
ab		*Large*	† l	
ac		*Glacial*	† gl glac	
ad		*Speckled*	† sk spk	
ae		*White*	† w	
af		*Black*	† bl blk	
ag		*Blue*	† b	
ah		*Green*	† gn	
ai		*Yellow*	† y	
aj		*Red*	† rd	
ak		*Brown*	† br	
al		*Chocolate*	† ch choc	
am		*Grey*	† gy	
an		*Light*	† lt	
ao		*Dark*	† d	