



KENYA NATIONAL REPORT

at

**The 16th Southern African
and Islands Hydrographic Commission (SAIHC) Meeting, Cape Town,
South Africa.**

by

Simon K. Ngisirei

Email: simonngisirei@yahoo.com

Survey of Kenya

Ministry of Lands and Physical Planning,

2th – 5th September, 2019

CONTENTS



1. Introduction
2. Hydrographic Survey Office
3. Hydrographic Surveys
4. Charts and Publications
5. Capacity Building
6. Challenges
7. Conclusion



1. Introduction

- Kenya covers an area of 582,646 Km².
- It borders Somalia, Indian Ocean, Ethiopia, Tanzania, Uganda and Sudan.
- Population of over 40 million people
- It has about 600 Km. of coastline and 143,000Km² EEZ , endowed with a number of lakes and shares 6% (11,230) of Lake Victoria.
- Mombasa is the main port and handles about 13.3M tones of cargoes annually.
- The country is in the process of establishing a second port in Lamu
- Kisumu inland port is undergoing rehabilitation to serve the great lakes neighboring countries.



Republic of Kenya
Ministry of Lands and Physical Planning

Survey of Kenya Headquarters



Established in 1903



National Titling Centre



KISM



AERIAL VIEW OF SURVEY OF KENYA



Survey Field HeadQuarters



National Geospatial Data Center

1.3 ORGANISATIONAL STRUCTURE



DIRECTOR OF SURVEYS

**GEODETTIC ,
TECHNICAL,
NATIONAL
AND
INTERNATION
AL
BOUNDARIES**

HYDROGRAPHY

**CADASTRAL
SURVEY**

**GEOSPATIAL
DATA
MANAGEMENT**

**KENYA INSTITUTE
OF SURVEYING
AND MAPPING**

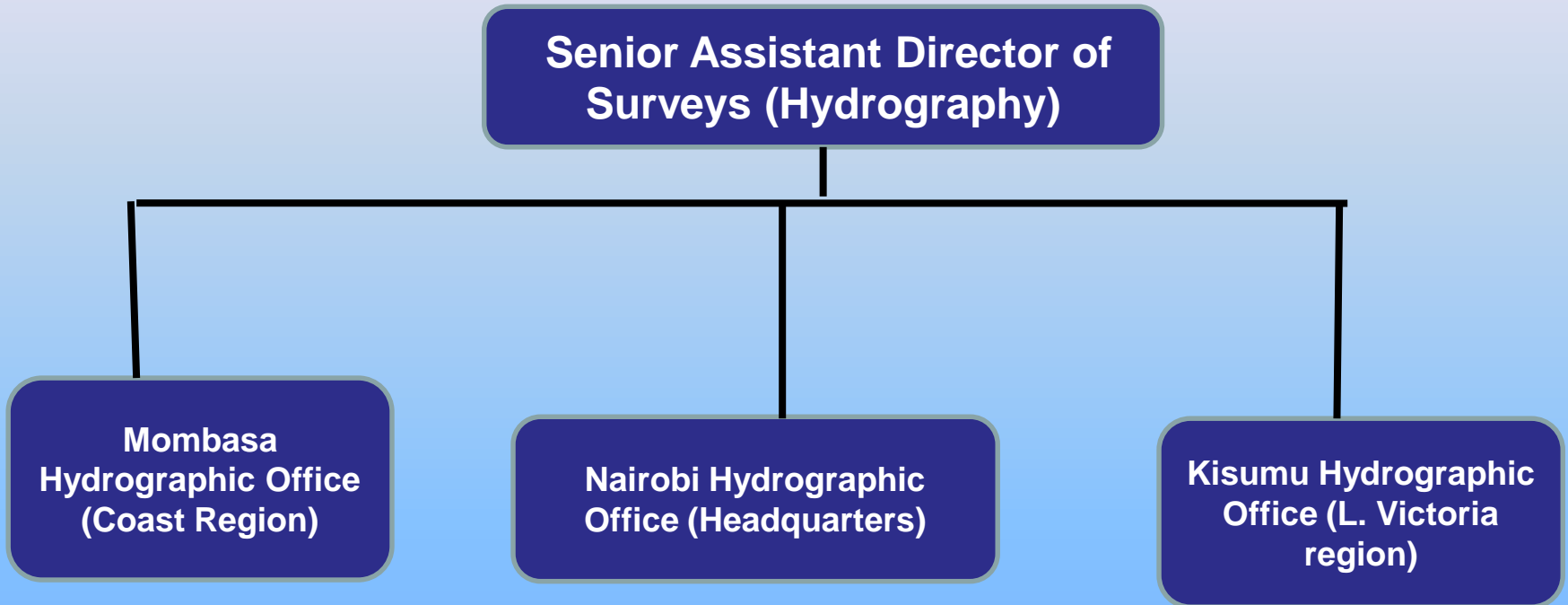
PHOTOGRAMMETRY

CARTOGRAPHY

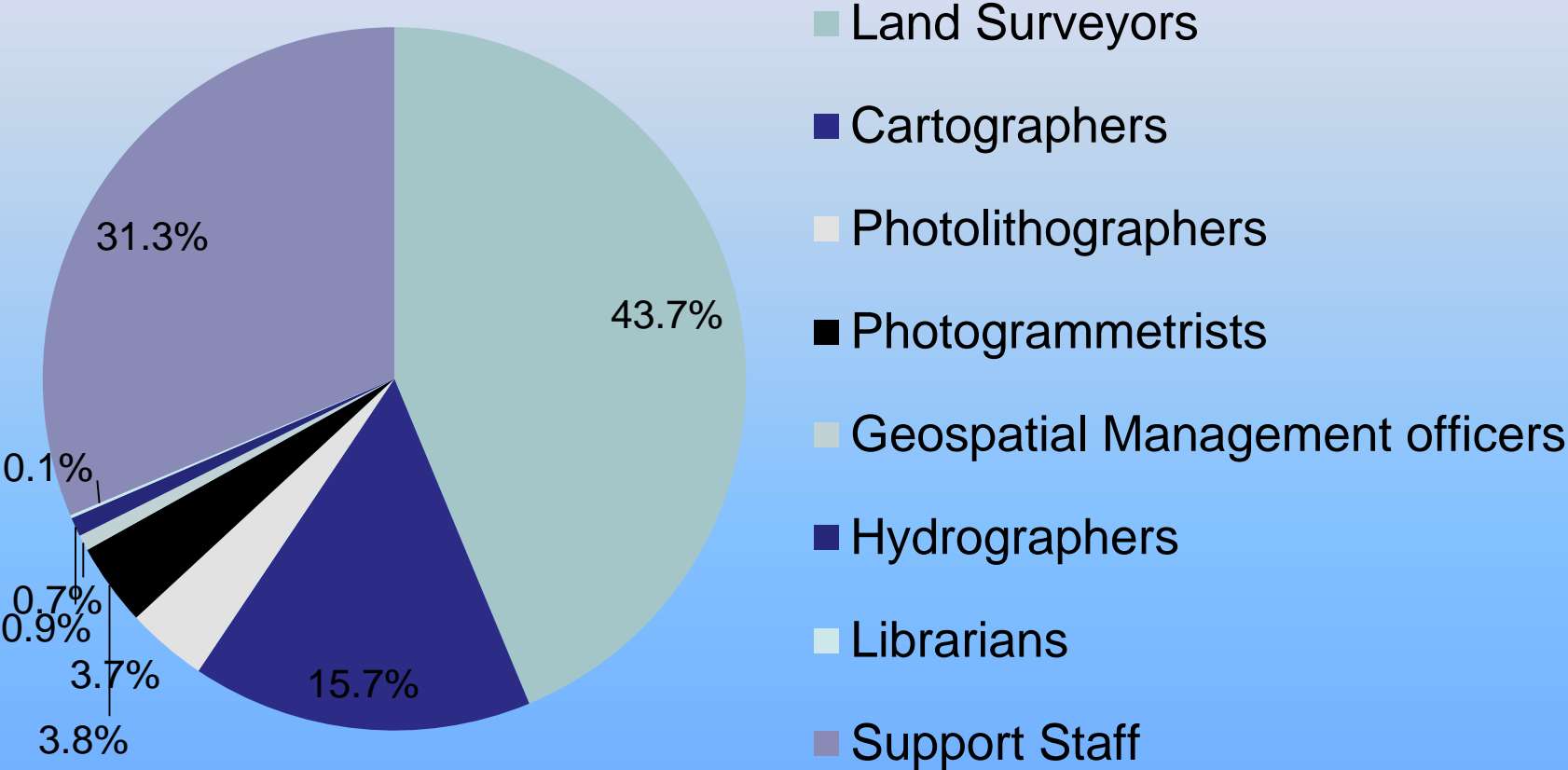
**ADJUDICATION
SURVEYS**

PHOTOLITHOGRAPHY

1.3 ORGANISATIONAL STRUCTURE



1.4 SOK Staff Establishment



Technical Staff establishment:-1684

2. Hydrographic Survey Office



- Establishment of 20 staff (8 category B hydrographers, 9 land surveyors and 3 cartographers).
- The main function is to provide hydrographic surveys and services ensuring compliancy with international conventions and standards.
- To continuously improve service delivery through capacity development
- To raise hydrographic awareness
- Coordination of hydrographic activities
- Provides the Chair and Secretariat to the Kenya National Hydrographic and Oceanographic committee (KeNHOC) with the function, the coordinating body for hydrography
- KeNHOC meets regularly twice every year

2.1 KeNHOC Functions



- To coordinate hydrographic services and requirements in the country.
- To promote international cooperation with other hydrographic agencies.
- To formulate policies, standards, guidelines and procedures in respect of hydrographic services.
- To promote training and research in hydrographic surveying.
- To coordinate acquisition, archiving, retrieval and dissemination of hydrographic information.
- To advise the government on matters relating to hydrographic activities.

2.2 Membership of the KeNHOC



- The membership of the committee is drawn from relevant government Ministries, Departments and Agencies
- Ministry of Lands and Physical Planning
- Ministry of Interior and national Coordination
- Ministry of Transport and infrastructure
- Ministry of Mining and petroleum
- Ministry of Livestock and Fisheries Development
- Ministry of Environment and Natural Resources
- Survey of Kenya
- The Kenya Navy
- Kenya Ports Authority
- Kenya Maritime Authority
- Meteorological Department
- Kenya Ferry Services
- Fisheries Department
- Mines and Geological Department
- National Environmental Management Authority
- University of Nairobi
 - Department of Geospatial and Space Technology
- Kenya Marine and Fisheries Research Institute
- Regional Centre for Mapping of Resources for Development

KeNHOC Meeting, March 2018, Participants Group Photo



3. Hydrographic Surveys



S/No.	Item	Description
a).	Coverage of new surveys	Manda Bay done by Indian Navy. Data has been shared with the Kenya Navy.
b)	New technologies and /or equipment	Acquisition of new equipment at the planning stage
C)	New ships	No
d)	Problems encountered	financial and practical knowhow

4. New Charts, New Publications and Updates

- Kenyan has an MOU with UKHO on chart production.
- Need to help Kenya in building the capacity to produce charts.
- The issues on outdated charts need to be addressed.
- New surveys are encouraged

5. Capacity Building



- One officer is on Category A training under sponsorship of Nippon foundation at New Hemisphere University received, needed, offered
- Proposed Hydrographic surveys for Lake Victoria and Shimoni with World Bank
- Implementation of IMO audit, May 2018 recommendations and the national Strategy on IMO Instruments
- Improve on data acquisition

5.1 Proposed Programme, FY 2018/2019

- Acquisition of hydrographic survey equipment to enable carry out surveys and process data
- Procure and establish a tide station
- Implement recommendation of the IMO audit, May 2018
- New hydrographic survey and produce new charts for Shimoni and Lake Naivasha
- Attain IHO membership
- Integrated Hydrographic Information System
- Institutional frameworks to ensure data sharing
- Review of existing laws and regulations

6. Challenges

- Lack of practical experience
- Little or no data sharing by data producers
- Lack of expertise in marine cartography
- Inadequate of political support
- Inadequate capacity
- Inadequate Funding

7. Conclusion



- Kenya is grateful for the efforts made by SAIHC, IHO and other international organization in building her hydrographic capabilities.
- This has assisted in meeting some national and international obligations
- The country is committed to the promotion of international cooperation and collaboration in the field of hydrography for the realization of blue economy.
- There is need for continuous support for practical training to achieve necessary experience in hydrographic surveys and chart production
- Recognizing the efforts being made by the Commission, there is need for associate/member states without capabilities in hydrography to walk the talk and be capacitated to produce and update charts that meets IHO standards.



Inform → Inspire → Support

One Planet – One Ocean



THANK YOU