

## **RV MTAFITI**

### **CRUISE REPORT N° 2016-01**

**18 & 19 April 2016**

Project : Short Training Initiative – Training on Scientific Cruise Planning, Oceanographic Sampling, Fisheries and Data Management

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#### Teams onboard

Team 1 : Institute for Coastal Studies

Team leader Gerry Calvin.

Team members : Noca B.F. da Silva, Rui Jorge Mutombene, Benson Kirathe

Team 2 : Laboratory for Marine Science

Team leader : Amon Kimeli

Team members : Rahamata Boina, Florette Rasoarilalao, Cosmas Munga, Gladys Okemwa

Team 3 University of Oceanography

Team leader Agnes Muthumbi

Team members : Sautya Sabyasachi, Johnston Omukoto, Jane Nyamora, Mathew Nguli, Victor Mwahka

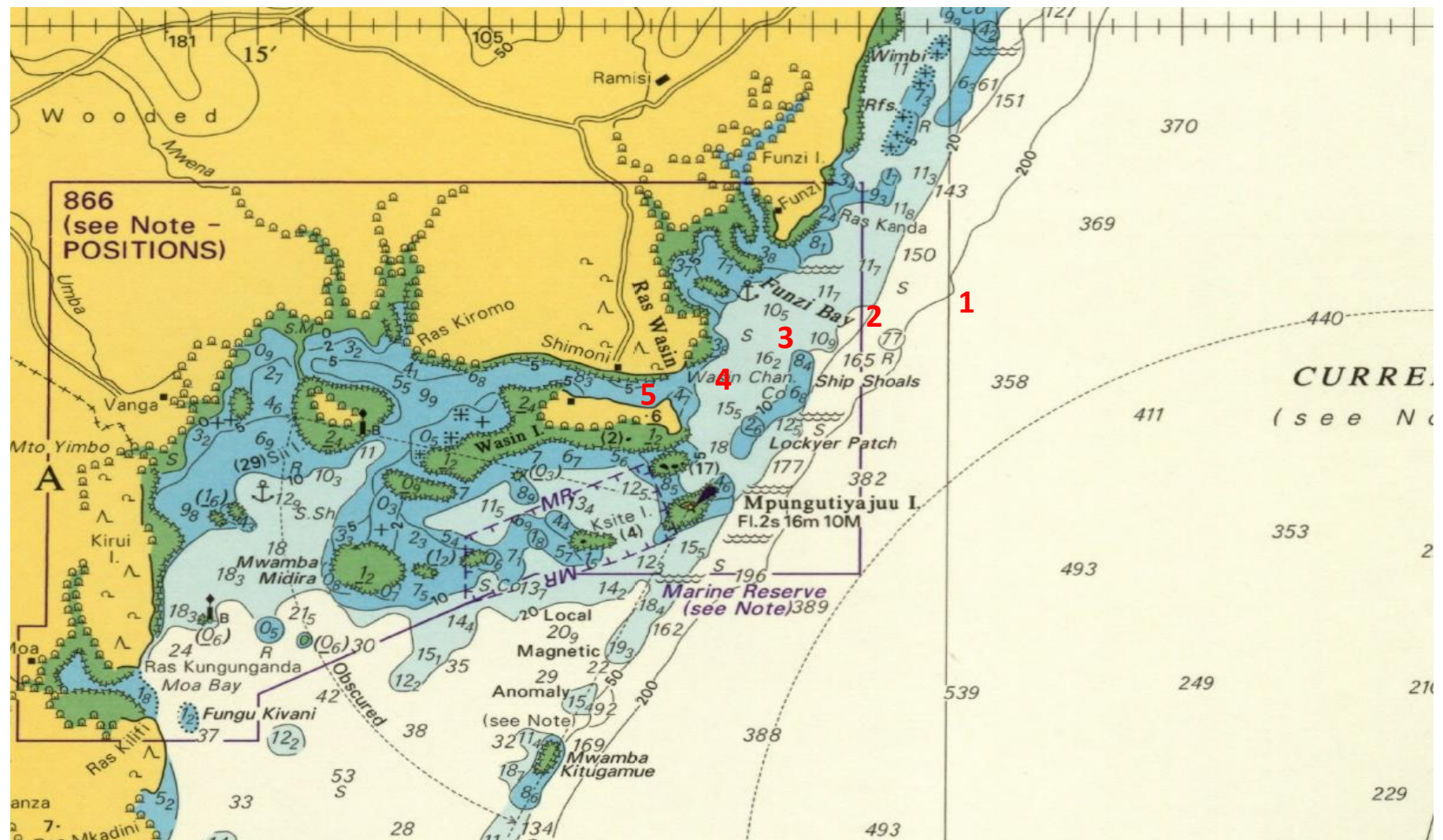
#### Projects onboard

Team 1: Relationship of physical and biological parameters at Funzi Bay, Shimoni, Kenya

Team 2: Comparison of biological, chemical and oceanographic parameters along coastal depth profiles

Team 3: Benthos of near shore area

## Cruise Track & Stations



# Stations visited

Sampling	Station	Date	Time Start (GMT)	Time End (GMT)	Lat	Lon	Max Depth (m)	Sample Depth (m)	Comment
CTD	2	21/04/2016	06:56	07:07	4° 38.076 S 4° 37.859 S	39° 28.224 E 39° 28.324 E	150	130	
Niskin	2	21/04/2016	07:01	07:07	4° 37.972 S	39° 28.268 E	150	130	
CDT	2	21/04/2016	07:42	07:53	4° 38.371 S 4° 38.070 S	39° 28.100 E 39° 28.326 E	150	80	
Niskin	2	21/04/2016	07:47	07:53	4° 38.226 S	39° 28.201 E	150	20, 80	
Surface Plankton Sampling	2	21/04/2016	07:53		4° 38.226 S	39° 28.201 E	150	Surface 3.5	From the Themosalinity Tap
Plankton Net	2	21/04/2016	12:29	12:43	4° 38.260 S 4° 38.144 S	39° 29.102 E 39° 27.955 E	150	Surface	Flow Meter Start: 276217 to 284940
Drop line	4	22/04/2016	07:30	08:43	4° 37.820 S	39° 28.732 E	180		47 hooks, Bait: Mackerel Fishing: From Bottom to 30m
CTD	4	22/04/2016	11:01		4° 38.485 S	39° 28.576 E	190	120	Blind CTD, Not Real Time

Station	LATITUDE South	LONGITUDE East
1	4° 39.286'	39° 29.522'
2	4° 38.076'	39° 28.224''
3	????	????
4	Not sampled	
5	Not sampled	
Drop Line	4° 38.003	39° 28.658

## Samples Taken

### **Day 1: 18 April 2016**

**Station 2** Depth 150m,

CTD & Niskin sample at 130m

CTD & Niskin samples at 80m & 20m

Surface Plankton sample with CalCofi Net

Surface Plankton sample via Tap on thermosalinograph piping.

**Station 1** Depth 380m

CTD & Niskin sample at 200m

CTD at 300m (station1bis)

Surface Zooplankton sample with CalCofi Net

**Station 3** Depth 15m

CTD & Niskin sample at 12m

Surface Zooplankton with Calcofi Net

### **Day 2: 19 April 2016**

**Near Station 2:** Depth 80m

Dropline placed for 2hours, no catch

**Station 2** Depth 190m

CTD taken, 120m reached

Second cast : CTD lowered in stand alone, 160m wire payed out.

## COMMENTS

*Due to technical issues with winches & cranes, only the oceanographic winch could be operated. Van Veen sampling was not possible and sampling plankton with CalCofi Net was only feasible at surface.*

*Problems with the oceanographic cable troubled real-time operations of the CTD. This caused loss of time during sampling. The last cast of the cruise was a standalone deployment without real-time readout of the CTD.*

*Transiting occurred at reduced speed since only one engine could be engaged to the clutch.*

## ACKNOWLEDGMENTS

The Crew and technical staff are acknowledged for their continuing support during the campaign. Staff of KMFRI and VLIZ for organizing the training onboard and UNESCO & VLIR for providing funds for participants. All participants are thanked for their enthusiastic participation and contributions to developing the cruise plan.