

Cruise report TEAM 3

Sampling activities and report during the cruise-STI 2016 Mtafiti

Team 3:

Agnes Muthumbi,
Jane Nyamora,
Johnstone Omukoto,
Sabyasachi Sautya,
Victor Mwakha,
Mathew Nguli

Zooplankton samples collected at Station 1

Start Lat (S): 4°39.270 Long (E): 39°29.561 Time: 11:36:28 UTC

End Lat (S): 4°38.874 Long (E): 39°29.650 Time: 11:50:21 UTC

Flowmeter reading: Start – 26760

End – 276217

Samples are preserved in 10% formalin.

Station name	Date	Start				Stop				End			Data type/Remarks
		Time (UTC)	Latitude (S)	Longitude (E)	Depth	Time (UTC)	Latitude (S)	Longitude (E)	Depth (m)	Time (UTC)	Latitude (S)	Longitude (E)	
Station 1	21/04/16	10:42:20	4°40.448	39°28.864	Surface	10:57:17	4°40.000	39°28.150	305	11:13:43	4°39.527	39°29.443	<p>The station 1 was repeated due to some problem earlier in the deeper water where CTD was moving to horizontal direction instead of vertical after reaching about 120 m water depth while station depth was about 180 m. Weather condition (wind speed, direction, wave and current direction).</p> <p>Echo sounder measured water depth was 325 m. Lowered CTD for physical data collection, Niskin samplers for bottom water parameter such as nutrients and phytoplankton samples. 2L of water sieved using 50µm sieve for filtering the phytoplankton and fixed with 1 ml of lugol solution.</p>
Station 2B	22/04/16	11:14:25	4°37.696	39°28.894	Surface	11:21:08	4°37.456	39°28.981	140	11:26:26	4°37.303	39°29.021	<p>The echo sounder measured depth was 189 m, we could not operate the CTD upto bottom due to technical problem in winch connectivity to the receiver in the laboratory. So we lowered CTD without direct connectivity by using seen yellow line marked in the winch.</p>

Comments:

The sediments could not collect due to technical problem with winch which was difficult to operating the grab on board.