

**A report on
Demersal Survey Cruise
Survey season 2021-22**



**Survey number: 2021203
Cruise number: 3 (Demersal Survey)
Cruise Duration: 23/03/2022 to 28/03/2022
Survey vessel: RV Meen Shandhani
Report date: 11/04/2022**

Background

R.V. Meen Shandani went to the sea for conducting demersal survey numbered 2021203 as part of the 2021-22 survey season, designed by the Survey Design Working Group (SDWG). Details of this survey and its design can be found in the respective cruise programme. The current cruise is designated as the 3rd Leg of Demersal Survey of this season. The cruise was scheduled to be conducted from 23/03/2022 to 28/03/2022. It went according to the schedule.

Participants/ Scientific Staffing

The vessel was manned for this cruise by 7 scientific staffs including a trainee scientist according to the recommendations of SDWG, and 24 officers & crew members

The list of personnel in this cruise is as follows:

SL No.	Name & Designation	Affiliation	Remarks
01	Sanjay Kumar Mohanta Marine Fisheries Officer	Marine Fisheries Survey Management Unit, Chattogram	Cruise Leader
02	Al Mamun Fisheries Quarantine Officer	FQO's Office, Shah Amanat Int. Airport, Chattogram	Scientist
03	Nripendra Kumar Shingah Assistant Director	Shrimp Culture Extension Office, Cox's Bazar	Taxonomist
04	Md Gaziur Rahman Scientific Officer	Marine Fisheries Survey Management Unit, Chattogram	Scientist
05	Hasan Anwarul Kabir Scientific Officer	Marine Fisheries Survey Management Unit, Chattogram	Taxonomist
06	Tamnush Bosu Technical Officer	Sustainable Coastal and Marine Fisheries Project, Chattogram	Asst. Scientist
07	Md Kamrul Islam Technical Officer	Sustainable Coastal and Marine Fisheries Project, Chattogram	Asst. Scientist

Sampling strategy

The cruise was planned to follow the previous guidelines and survey design. In this particular demersal fish survey a total of 09 stations were covered for sampling. The sampling points with covered area are given in the following map.

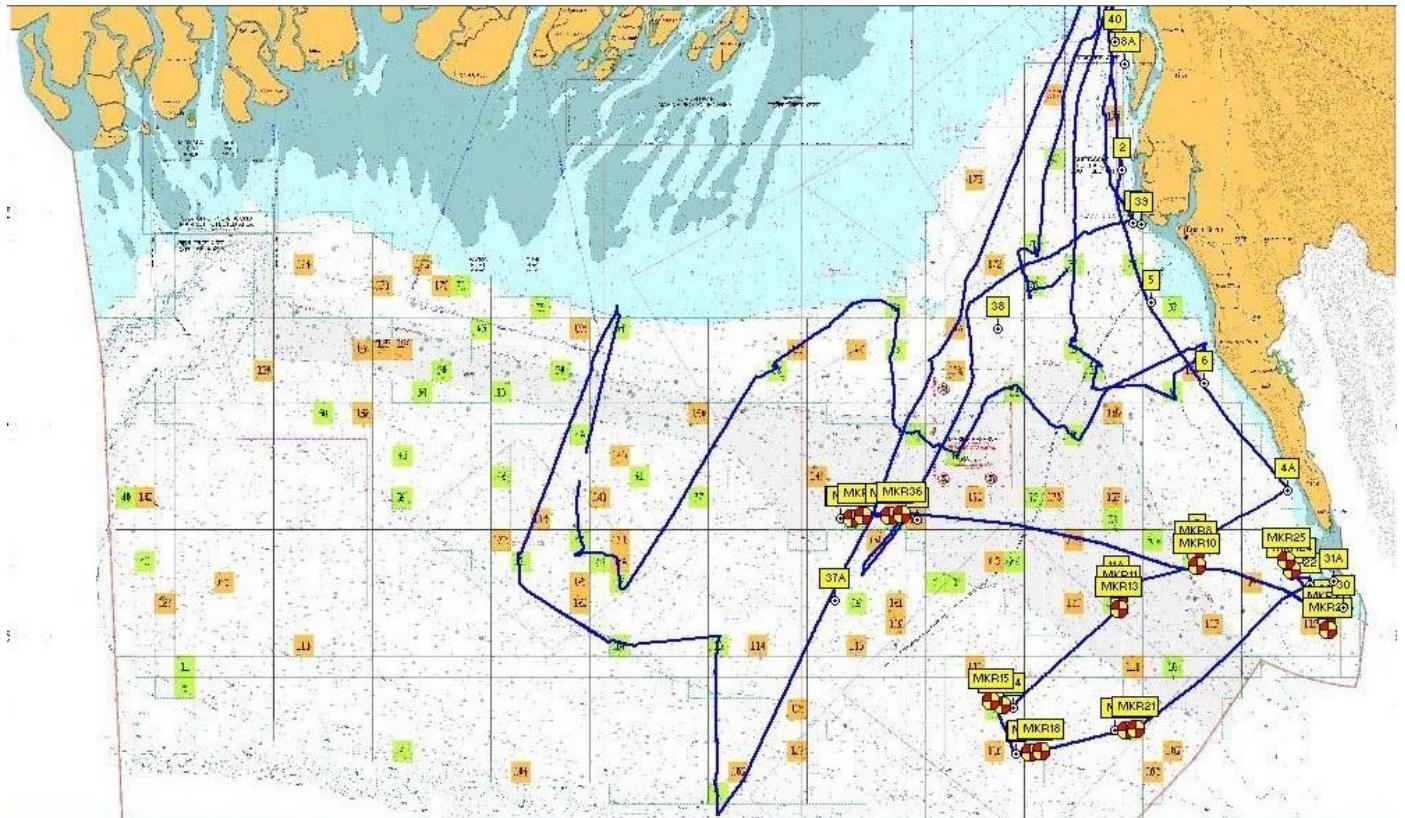


Fig. 01: Demarsal Survey Map with the covered area during the 3rd leg of this survey (2021203, 2021-22 season).

All the relevant data and information regarding sampling were recorded thoroughly and put in NANSIS software server for analysis

Results

Sampling stations and activities:

We left before the ends of the cruise because it was not possible to cast the net due to bad weather. A total of 09 hauls were conducted during the 06 days survey cruise. During the studies date, time, latitude, longitude, depth, wire out etc. were recorded and inputs of these data were stored in Nansis software. After sampling of the species, records of length, weight and numbers were recorded *in situ*. The details of which is given below (Table 1):

Table 1: Records of stations with latitude, longitude and depth

Date	Time (start)	Station	Latitude (dd)	Longitude (dd)	Depth (m)	Remarks
23/03/2022	09:00					Departure
24/03/2022	07:59	25	20.6937	91.9968	35	
	10:36	17	20.5895	91.8022	68	
	14:12	06	20.3365	91.5047	94	
	16:45	98	20.2250	91.5758	98	
	19:13	90	20.2757	91.8200	90	
25/03/2022	06:32	24	20.6552	92.2375	15	
	08:39	15	20.5400	92.3267	17	
26/03/2022	09:05	35	20.7775	91.1263	80	
	10:39	34	20.7830	91.2218	76	
28/03/2022	10.00					Arrival

- Operation hours:** Trawling operations were conducted from early morning to late afternoon almost all working days.
- Hydrographic data collection:** Due to lack of CTD equipments during the survey, CTD data weren't collected.
- Taxonomic data collection:** All the newly recorded, unidentified and rare species were observed and taxonomic data were collected with clear, fresh pictures of the species captured by a high resolution camera for later identification.
- Sample collection:** For further taxonomic, gonado-somatic and biological study some species samples were collected and preserved.

Recommendations:

- Every cruise should be started with two trained 'Taxonomist' otherwise it will be difficult to collect proper taxonomic data.

2. For further analysis of samples at different academic institutions or research laboratories, sample sending/providing protocol should be developed.

Supplies:

1. Stationary supplies should always be in surplus than is needed.

Annex:

Annex 1. Catch Summaries (Shrimp Survey-2021203)

---End of Report---

Reported by



Sanjay Kumar Mohanta

Cruise Leader

Demersal Survey (2021203), Cruise #03

Dated: 11/04/2022

Reported to: PSO (Marine Fisheries Survey Management Unit.)