

Shrimp Survey Cruise Report

Survey season 2021-22

Cruise number: Shrimp Cruise-2 (21 to 27 January, 2022)



Survey vessel: **RV Meen Shandhani**

Survey number: **2021202**

Report Date: **17/02/2022**

Background:

R.V. Meen Shandani went to the sea for conducting Shrimp Survey numbered 2021202 as part of the 2021-22 survey season, designed by the Survey Design Working Group (SDWG). The current cruise is designated as the 2nd Leg of Shrimp Survey of this season. The cruise was scheduled to be conducted from 21-01-2022 to 27-01-2022. It went according to the schedule.

Participants/ Scientific Staffing:

The vessel was manned for this cruise by 8 scientific staffs and 24 officers & crew members. The list of personnel (scientific staffs) in this cruise is as follows:

SL No.	Name & Designation	Affiliation	Role in the cruise
01	Md. Gaziur Rahman, Scientific 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. Abdus Salam Senior Upzilla Fisheries Officer	Mollahat, Begarhat	Scientist
05	Sanjoy Kumar Mohanta, Marine Fisheries Officer	Marine Fisheries Survey Management Unit, Chattogram	Scientist
06	Hasan Anwarul Kabir, Scientific Officer	Marine Fisheries Survey Management Unit, Chattogram	Taxonomist
07	Tamnush Bosu, Technical Officer	Sustainable Coastal and Marine Fisheries Project, Chattogram	Asst. Scientist
08	Md. 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 revised survey design. In this particular Shrimp survey a total of 22 stations were covered for sampling. The sampling points with covered area are given in the following map.

Table 01: Records of stations with latitude, longitude, stratum and depth

Date	Time (start)	Station	Latitude (dd)	Longitude (dd)	Depth (m)	Remarks
21-01-2022	01.30					Departure
22-01-2022	07.18	38	20.9900	92.1267	14	
22-01-2022	08.50	31	20.8873	92.1783	14	
22-01-2022	11.47	22	20.6823	91.9372	45	
22-01-2022	13.51	21	20.6417	91.8302	65	
22-01-2022	17.01	04	20.3817	91.5850	91	
22-01-2022	18.54	07	20.4083	91.6833	88	
23-01-2022	07.59	23	20.7422	92.2318	14	
23-01-2022	10.08	19	20.6302	92.0857	29	
23-01-2022	12.18	17	20.5337	91.9427	60	
23-01-2022	13.36	11	20.4832	91.9488	65	
23-01-2022	15.33	02	20.3367	91.9367	79	
24-01-2022	08.01	18	20.5932	92.1320	25	
24-01-2022	09.43	16	20.5353	92.0318	45	
24-01-2022	13.04	06	20.4350	92.7577	52	
24-01-2022	15.28	10	20.4537	92.2952	20	
24-01-2022	16.59	15	20.5045	92.1987	24	
25-01-2022	09.22	28	20.8107	92.0307	25	
25-01-2022	13.33	29	20.8330	91.7410	64	
25-01-2022	15.42	26	20.7550	91.5978	70	
26-01-2022	08.40	76	21.4102	91.8885	13	
26-01-2022	12.29	77	21.4175	91.4063	14	
26-01-2022	13.42	75	21.3865	91.3723	14	
27-01-2022	10.30					Arrival

2. **Operation hours:** Trawling operations were conducted from early morning to late afternoon almost all working days.
3. **Hydrographic data collection:** Due to lack of CTD equipments during the survey, CTD data weren't collected.
4. **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.
5. **Sample collection:** For further taxonomic, gonado-somatic and biological study some species samples were collected and preserved.

Recommendations:

1. 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; binder clips are in short supply.

Annex:

Annex 1. Catch Summaries (Shrimp Survey-2021202)

---End of Report---

Reported by



Md. Gaziur Rahman

Cruise Leader

Shrimp Survey (2021202), Cruise #02

Dated: 17/02/2022

Reported to: PSO (Marine Fisheries Survey Management Unit)

With copies to: Next Cruise Leaders