

VIDYASAGAR UNIVERSITY



~~SWARNAMOYEE JOGENDRA NATH MAHAVIDYALAYA~~

SUB :- ZOOLOGY

FIELD NOTE BOOK

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SESSION: 2021-2023

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EXAMINED



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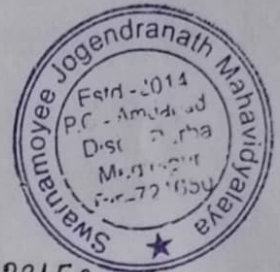
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DEPARTMENT OF ZOOLOGY

TO WHOM IT MAY CONCERN



This is to certify that Nayanika Jana Roll 1123152
No 210009, Registration No VU.2.11040304 of 2021-2022 students of B.Sc.
Semester-III, Zoology (Aquatic Biology, GE-3) of Swarnamoyee Jogendranath
Mahavidyalaya for the session 2022-2023, submitted his/ her field report entitled as
A visit to a marine Bioseserve (Digha and it's
surrounding)

Based on field study conducted on 19.12.2022 & 20.12.2022 for partial fulfilment of the
syllabus prescribed by Vidyasagar University. The report has been prepared under the
supervision of Miss. Tanushree Das and may be placed before examiner for evaluation.

Raman
05/01/23

Dr. Ratan Kumar Samanta

Principal

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ACKNOWLEDGEMENT

with deep sense of our respect, we want like to sincere gratitude to our most respectful teacher Dr. Ratan Kumar Samanta, Dr Arindya Kisor Bhawmik, MS, Tarushree Das and non teaching staff PradiP Kumar Das, Sujon Kumar Majhi. The Department of zoology, Swarnamoyee Jogendranath Mahavidyalaya for organizing and participating the said excursion to Digha and its surrounding.

We are also thank ful to the authorities for giving us permission to visit Digha its biological observation under different habitat, of animal.

We are also thanks our honourable Principal of the collage, Dr, Ratan Kumar Samanta for giving us permission to organize such a valuable educational tour.

Nayanika Jara

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PLACE OF JOURNEY

- ▣ Mandarmani and its surroundings.
- ▣ Talsari.
- ▣ Digha Mahana.

DATE OF JOURNEY

19.12.2022 — 20.12.2022

EXAMINED

ZOOLOGICAL EXCURSION

Zoological excursion or is aimed acquiring knowledge in their own habitat, their lifecycle pattern, their behaviour and their interaction. A student not only gain knowledge about the habitat i.e.

Marine area in case of our trip but also to have a glance of the diversity of the animal fauna each in its own niche and a greater areas of habitat and in the ecosystem play its important roles.

Thus zoological excursion is not only a pleasure trip for us but a learning experience for a student of zoology. It is also a exciting and memorable memory for us.

GUIDENCE OF OUR EXCURSION

▣ The Teachers —

1. Dr. Ratan Kumar Samanta.
2. Dr. Anindya Kisor Bhowmik.
3. MS, Tanushree Das.

▣ Laboratory Staff members —

1. Pradeep Kumar Das.
2. Sujan Kumar Majhi.

TOUR DIARY

Day:- 01

Date:- 19.12.2022

Journey starts from Amdabad to Digha by three car at morning. Arrive at Mandar mori sea beach and observed the specimen. Then we went to hotel. After lunch we went to talsari sea beach. Then return back to hotel at New Digha.



FIG:- Aurelia SP.



FIG:-> Asterias SP.

EXAMINED

Day: - 02

Date: - 20.12.2022

visit to Digha Mohona and Fish Market at morning we collected some specimen. After breakfast. Check out hotel and perform their proced for Amdabad by car.

Arrive Amdabad at 3:30 Pm and excursion end.

MANDARMONI

We went to Mandarmoni at 9 AM on 19.12.2022 It is located on the shore of the Bay of Bengal. This beach is 13 km long. Mandarmoni sea beach surrounded by red chabs, And Jelly fish, shellfish, squids and tiny sea fishes.

METHODOLOGY

During sample collection and observation type of the substrate, abundance, habit specimens and habitats of individual species were noted. Specimens were preserved in 70% Alcohol or in 10% Formalin after proper narcotization and attempts were made to identify all the collected specimens up to species level when ever possible.

SURVEL REPORT

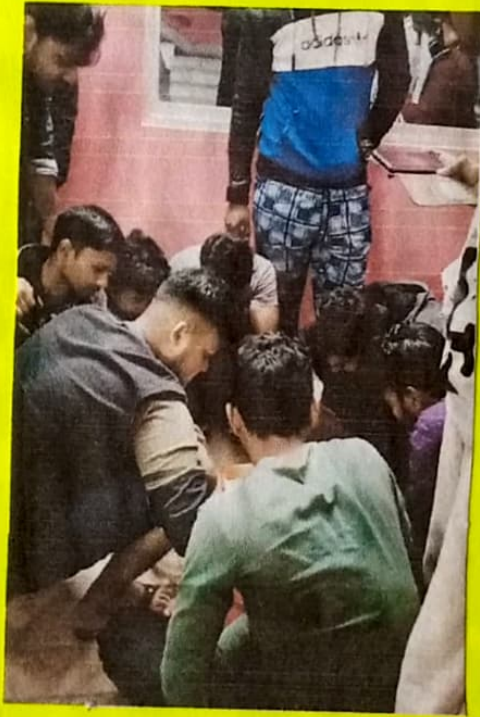
SL No	Scientific Name	Local Name	Phylum
1.	<u>Aurelia</u> SP.	Jelly Fish	Cnidaria
2.	<u>Aslerias</u> . SP	Star fish/Sea Star	Echinoderma-ta.

TALSARI BEACH

We went to Talsari beach at 3:00 PM is constitute apart of the alluvium coast the Subar narekha delta Plain located at northwestern side of Balasore district of Odisha and hardly 10-15 km away from Digha. Geographical co-ordination of Talsari is bounded in between $21^{\circ}35'48''$ Northern Latitude and wide beach The estuary of the river Subarnarekha is 0.5 km to 1.5 km wide several types of marine habitats are found in this small area (2.5 sq km. only) different types of faunal composition are found here in distinct zonation.

METHODOLOGY

During sample collection and observation type of the substrate, abundance habit and habitats of individual species were noted. Specimens were preserved in 70% alcohol after proper narcotization and attempts were made to identify all the collected specimens up to species level whenever possible.



separation of specimen.

SURVEY REPORT

1. Common Jelly fish (Aurelia SP)
2. Star fish (Asterias SP)
3. sea anaemone (metridium SP)

SL No	Scientific Name	Local Name	Phylum
1.	<u>Aurelia</u> SP.	Common Jelly fish	Cnidaria
2.	<u>Asterias</u> SP.	sea star/star fish	Echinodermata
3.	<u>metridium</u> SP	sea anaemone	Cnidaria

DIGHA MOHONA

We went to Digha mohona at morning time. mohona means estuary in Bengali. Digha mohona is located very close to Digha beach. Actually it is one end of the Digha beach. Along the fish market there are stalls selling dry fish shutki and various types of fishes like as vetki, pomfret, Bombay duck, sting ray, shark, squid, cattle fish, octopus, ilish, crab shrimp.

METHODOLOGY

During sample collections and observation, type of the substrate, abundance, habit, and habitats of individual species were noted. Specimens were preserved in 70% Alcohol and the collected specimens UP to species level whenever possible.

SURVEY REPORT

List of collected specimens in Digha mohona

1. Sting-Ray (Taligon SP)
2. SHARK (Scoliodon SP)
3. Eel (Annulla SP)
4. Bombay duck (Harpodon nehereus)



Fig:- sepia sp.



Fig:- machobhachium bosempeny



Fig:- crab



Fig:-> Lobster Steh

5. Tiger Prawn (Penaeus monodon)
6. Lobster.
7. octopus
8. Sepia.
9. Loligo.
10. Seachub.
11. Hilsa fish.
12. Pomfret.
13. Lates calcarius.

SL No	Scientific Name	Local Name	Phylum
1.	<u>Trigon</u> SP.	String ray	Chordata.
2.	<u>Scoliodon</u> SP.	Dogfish/shark	Chordata.
3.	<u>Arnilla</u> SP.	Eel fish	Chordata.
4.	<u>Harpodon nehereus</u>	Eombay duck	Chordata.
5.	<u>Penaeus monodon</u>	Tiger Prawn	Arthropoda.
6.	<u>Sepia</u> SP.	Cuttle fish	Mollusca.
7.	<u>Loligo</u> SP.	Squid	Mollusca.
8.	<u>Octopus</u> SP.	Devil fish	Mollusca.
9.	<u>Lates calcarius</u>	vetki	Mollusca. Chordata.
10.	<u>Pampus</u> SP	Silver Pomfret	Chordata.
11.	<u>Tenualosa ilisha</u>	Ilish fish	Chordata.

HAPPY RETURNS

The tour was extremely fruitful. Joyous, sketch type educational tour always boost us to gain plenty of knowledge with practical views. The town was certainly blessed a tool to serve the varied species containing "Digha Mohana and Mandarmari and Talsari." It was unique experience. We all returned with heart al though acquiring a deversified knowledge admixture with holy minule education from marine habitat.

We are all greatfull to our respected teachers without ulhose kind guidance and help the tour would not have been made possible.

T. Das
19.01.23

By kind
EXAMINED