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Fig. 3.7. Undisturbed grab sample

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Fig. 4.1b: 50m depth range

Fig. 4.1c: 100m depth range

Fig. 4.1d: 200m depth range
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**Fig. 4.2a: 30m depth range**

![Graph showing bottom temperature at 30m SE coast](image)

**Fig. 4.2b: 50m depth range**

![Graph showing bottom temperature at 50m SE coast](image)

**Fig. 4.2c: 100m depth range**

![Graph showing bottom temperature at 100m SE coast](image)

**Fig. 4.2d: 200m depth range**

![Graph showing bottom temperature at 200m SE coast](image)
Fig. 4.3. Variation of bottom salinity in each depth ranges along the southwest coast of India

Fig. 4.3a: 30m depth range

Fig. 4.3b: 50m depth range

Fig. 4.3c: 100m depth range

Fig. 4.3d: 200m depth range
Fig. 4.4. Variation of bottom salinity in each depth ranges along the southeast coast of India

**Fig. 4.4a: 30m depth range**

![Graph of Bottom Salinity at 30m SE coast](image)

**Fig. 4.4b: 50m depth range**

![Graph of Bottom Salinity at 50m SE coast](image)

**Fig. 4.4c: 100m depth range**

![Graph of Bottom Salinity at 100m SE coast](image)

**Fig. 4.4d: 200m depth range**

![Graph of Bottom Salinity at 200m SE coast](image)
Fig.4.5. Variation of bottom dissolved oxygen in each depth ranges along the Southwest coast of India.

**Fig.4.5a: 30m depth range**

![Graph showing bottom DO at 30m SW coast.](image)

**Fig.4.5b: 50m depth range**

![Graph showing bottom DO at 50m SW coast.](image)

**Fig.4.5c: 100m depth range**

![Graph showing bottom DO at 100m SW coast.](image)

**Fig.4.5d: 200m depth range**

![Graph showing bottom DO at 200m SW coast.](image)
Fig. 4.6. Variation of bottom dissolved oxygen in each depth ranges along the southeast coast of India

**Fig. 4.6a: 30m depth range**

![Graph showing DO at 30m SE coast]

**Fig. 4.6b: 50m depth range**

![Graph showing DO at 50m SE coast]

**Fig. 4.6c: 100m depth range**

![Graph showing DO at 100m SE coast]

**Fig. 4.6d: 200m depth range**

![Graph showing DO at 200m SE coast]
Fig. 5.1. Sediment characteristics (sand, silt, clay) along the southwest coast of India at different depth ranges

Fig. 5.1a. 30m depth range

Fig. 5.1b 50m depth range
Sediment characteristics (sand, silt, clay) along the southwest coast of India at different depth ranges

**Fig. 5.1c 100m depth range**

**Fig. 5.1d 200m depth range**
Fig. 5.2 Sediment characteristics (sand, silt, clay) along the southeast coast of India at different depth ranges

Fig. 5.2a 30m depth range

Fig. 5.2b 50m depth range
Sediment characteristics (sand, silt, clay) along the southeast coast of India at different depth ranges

Fig. 5.2c 100m depth range

Fig. 5.2d 200m depth range
Fig. 5.3a. Average sediment texture (sand, silt, clay) along the southwest coast of India at different depth ranges

Fig. 5.3b. Average sediment texture (sand, silt, clay) along the southeast coast of India at different depth ranges
Fig. 5.4. Sediment organic matter along the southwest coast of India at different depth ranges

Fig. 5.4a 30m depth range

Fig. 5.4b 50m depth range

Fig. 5.4c 100m depth range

Fig. 5.4d 200m depth range
Fig. 5.5. Sediment organic matter along the southeast coast of India at different depth ranges

Fig. 5.5a 30m depth range

Fig. 5.5b 50m depth range

Fig. 5.5c 100m depth range

Fig. 5.5d 200m depth range
Fig. 5.6a. Average sediment organic matter along the southwest coast of India at different depth ranges

Fig. 5.6b. Average sediment organic matter along the southeast coast of India at different depth ranges
Fig. 6.1. Group-wise biomass (wet weight g/sq.m) of macrobenthic fauna along the continental shelf of southwest at different depth ranges

Fig. 6.1a: 30m depth range Southwest coast

Fig. 6.1b: 50m depth range Southwest coast
Group-wise biomass (wet weight g/sq.m) of macrobenthic fauna along the continental shelf of southwest at different depth ranges

Fig.6.1c: 100m depth range Southwest coast

Fig.6.1d: 200m depth range Southwest coast
Fig. 6.2. Group-wise biomass (wet weight g/sq.m) of macrobenthic fauna along the continental shelf of southeast at different depth ranges

Fig. 6.2a: 30m depth range Southeast coast

Fig. 6.2b: 50m depth range Southeast coast
Group-wise biomass (wet weight g/sq.m) of macrobenthic fauna along the continental shelf of southeast at different depth ranges

Fig.6.2c: 100m depth range Southeast coast

Fig.6.2d: 200m depth range Southeast coast
Fig. 6.3a: Average group-wise biomass (wet weight g/sq.m) of macrobenthos along the shelf waters of the Southwest coast of India

Fig. 6.3b. Average group-wise biomass (wet weight g/sq.m) of macrobenthos along the shelf waters of the Southeast coast of India
Fig.6.4. Numerical abundance (No/sq.m) of macrofauna groups along the continental shelf of southwest coast of India at different depth ranges.

**Fig.6.4a. 30m depth range Southwest coast**

**Fig.6.4b. 50m depth range Southwest coast**
Numerical abundance (No/sq.m) of macrofauna groups along the continental shelf of southwest coast of India at different depth ranges.

Fig.6.4c.100m depth range Southwest coast

Fig.6.4d.200m depth range Southwest coast
Fig. 6.5. Numerical abundance (No/sq.m) of macrofauna groups along the continental shelf of southeast coast of India at different depth ranges.

Fig. 6.5a. 30m depth range Southeast coast

![Numerical abundance of macrobenthos along SE coast at 30m depth range](image)

- naga
- cudd
- chen
- krish
- Polychaetes
- Crustaceans
- Molluscs
- Others

Fig. 6.5b. 50m depth range Southeast coast

![Numerical abundance of macrobenthos along SE coast at 50m depth range](image)

- naga
- cudd
- chen
- krish
- Polychaetes
- Crustaceans
- Molluscs
- Others
Numerical abundance (No/sq.m) of macrofauna groups along the continental shelf of southeast coast of India at different depth ranges.

Fig.6.5c. 100m depth range Southeast coast

Fig.6.5d. 200m depth range Southeast coast
Fig. 6.6a. Average numerical abundance (No./sq.m) of macrobenthos along the shelf waters of the Southwest coast of India

Fig. 6.6b. Average numerical abundance (No./sq.m) of macrobenthos along the shelf waters of the Southeast coast of India
Fig. 6.7. Dendrogram of polychaetes along southwest coast of India at different depth ranges

Fig. 6.7a 30m depth range SW coast

Fig. 6.7b. 50m depth range SW coast
Dendrogram of polychaetes along southwest coast of India at different depth ranges

Fig. 6.7c. 100m depth range SW coast

Fig. 6.7d 200m depth range SW coast
Fig. 6.8. Dendrogram of polychaetes along southeast coast of India at different depth ranges

Fig. 6.8a. 30m depth range SE coast

Fig. 6.8b. 50m depth range SE coast
Dendrogram of polychaetes along southeast coast of India at different depth ranges

**Fig.6.8c. 100m depth range SE coast**

**Fig.6.8d. 200m depth range SE coast**
Fig. 6.9. MDS ordination of polychaetes along southwest coast of India at different depth ranges

Fig. 6.9a. 30m depth range SW coast

Fig. 6.9b. 50m depth range SW coast
MDS ordination of polychaetes along southwest coast of India at different depth ranges

Fig. 6.9c. 100m depth range SW coast

Fig. 6.9d. 200m depth range SW coast
Fig. 6.10. MDS ordination of polychaetes along southeast coast of India at different depth ranges

Fig. 6.10a. 30m depth range SE coast

ST25 naga
ST29 cudd
ST37 krish
ST33 chen

Fig. 6.10b. 50m depth range SE coast

ST38 krish
ST34 chen
ST26 naga
ST30 cudd
MDS ordination of polychaetes along southeast coast of India at different depth ranges

Fig. 6.10c. 100m depth range SE coast

Fig. 6.10d. 200m depth range SE coast
Fig. 6.11. Dendrogram of groups along southwest coast of India at different depth ranges

Fig. 6.11a. 30m depth range SW coast

Fig. 6.11b. 50m depth range SW coast
Dendrogram of groups along southwest coast of India at different depth ranges

Fig. 6.11c. 100m depth range SW coast

Fig. 6.11d. 200m depth range SW coast
Fig. 6.12. Dendrogram of groups along southeast coast of India at different depth ranges

Fig. 6.12a. 30m depth range SE coast

Fig. 6.12b. 50m depth range SE coast
Dendrogram of groups along southeast coast of India at different depth ranges

Fig. 6.12c. 100m depth range SE coast

Fig. 6.12d. 200m depth range SE coast
Fig. 6.13. MDS ordination of groups along southwest coast of India at different depth ranges

Fig. 6.13a. 30m depth range SW coast

Fig. 6.13b. 50m depth range SW coast
MDS ordination of groups along southwest coast of India at different depth ranges

Fig.6.13c. 100m depth range SW coast

Fig.6.13d. 200m depth range SW coast
Fig. 6.14. MDS ordination of groups along southeast coast of India at different depth ranges

Fig. 6.14a. 30m depth range SE coast

Fig. 6.14b. 50m depth range SE coast
MDS ordination of groups along southeast coast of India at different depth ranges

Fig.6.14c. 100m depth range SE coast

Fig.6.14d. 200m depth range SE coast
Fig. 6.15. Diversity indices of macrobenthic infaunal polychaetes along southwest and southeast coast of India

Fig 6.15a 30m depth range SW coast

![Species diversity indices of polychaetes along SW coast at 30m depth range](image)

Fig 6.15b 50m depth range SW coast

![Species diversity indices of polychaetes along SW coast at 50m depth range](image)
Diversity indices of macrobenthic infaunal polychaetes along southwest and southeast coast of India

Fig 6.15c 100m depth range SW coast

Fig 6.15d 200m depth range SW coast
Diversity indices of macrobenthic infaunal polychaetes along southwest and southeast coast of India

Fig 6.15e 30m depth range SE coast

Fig 6.15f 50m depth range SE coast
Diversity indices of macrobenthic infaunal polychaetes along southwest and southeast coast of India

Fig 6.15g 100m depth range SE coast

Fig 6.15h 200m depth range SE coast
Fig. 6.15i  Average diversity indices of macrobenthic infaunal polychaetes along southwest coast of India

Fig. 6.15j  Average diversity indices of macrobenthic infaunal polychaetes along southeast coast of India
Fig. 6.16. Diversity indices of macrobenthic groups along southwest and southeast coast of India

Fig. 6.16a 30m depth range SW coast

Fig. 6.16b 50m depth range SW coast
Diversity indices of macrobenthic groups along southwest and southeast coast of India

Fig. 6.16c 100m depth range SW coast

Species diversity indices of macrofauna groups along SW coast at 100m depth range

Fig. 6.16d 200m depth range SW coast

Species diversity indices of macrofauna groups along SW coast at 200m depth range
Diversity indices of macrobenthic groups along southwest and southeast coast of India

Fig. 6.16e 30m depth range SE coast

Fig. 6.16f 50m depth range SE coast
Diversity indices of macrobenthic groups along southwest and southeast coast of India

Fig. 6.16g 100m depth range SE coast

Fig. 6.16h 200m depth range SE coast
Fig. 6.16 i Average diversity indices of macrobenthic groups along southwest coast of India

![Average diversity indices of groups along southwest coast](image1)

Fig. 6.16 j Average diversity indices of macrobenthic groups along southeast coast of India

![Average diversity indices of groups along southeast coast](image2)
Fig. 6.17. K-dominance of polychaetes along southwest and southeast coast of India

Fig. 6.17a. K-dominance of polychaete species
Dominance plot for polychaete species along SW coast (2005)

Fig. 6.17b. Dominance plot for polychaete species along SW coast (2001)
K-dominance of polychaetes along southwest and southeast coast of India

Fig. 6.17c. Dominance plot for polychaete species along SE coast (2005)
Fig. 6.18. Biomass of macrofauna along southwest and southeast continental shelf of India during 2001 and 2005
Fig. 6.19. Numerical abundance of macrofauna along southwest and southeast continental shelf of India during 2001 and 2005.
Fig. 7.1: Biomass (wet weight in mg/10sq.cm) of meiofauna groups along the continental shelf of southwest of India at different depth ranges.

Fig. 7.1a: 30m depth range Southwest coast

Fig. 7.1b: 50m depth range Southwest coast
Biomass (wet weight in mg/10sq.cm) of meiofauna groups along the continental shelf of southwest of India at different depth ranges.

Fig.7.1c: 100m depth range Southwest coast

Fig.7.1d: 200m depth range Southwest coast
Fig. 7.2: Biomass (wet weight in mg/10 sq.cm) of meiofauna groups along the continental shelf of southeast coast of India at different depth ranges.

Fig. 7.2a: 30m depth range Southeast coast

Fig. 7.2b: 50m depth range Southeast coast
Biomass (wet weight in mg/10sq.cm) of meiofauna groups along the continental shelf of southeast coast of India at different depth ranges.

Fig. 7.2c: 100m depth range Southeast coast

Fig. 7.2d: 200m depth range Southeast coast
Fig. 7.3a. Average biomass (wet weight in mg/10 sq.cm) of meiobenthos along the shelf waters of the Southwest coast of India

![Graph showing mean biomass of meiobenthos along the SW coast at different depth ranges.](image)

Fig. 7.3b. Average biomass (wet weight in mg/10 sq.cm) of meiobenthos along the shelf waters of the Southeast coast of India

![Graph showing mean biomass of meiobenthos along the SE coast at different depth ranges.](image)
Fig. 7.4. Numerical abundance (No./10 sq.cm) of meiofauna groups along the continental shelf of southwest coast of India at different depth ranges.

Fig. 7.4a: 30m depth range Southwest coast

Fig. 7.4b: 50m depth range Southwest coast
Numerical abundance (No./10sq.cm) of meiofauna groups along the continental shelf of southwest coast of India at different depth ranges.

**Fig.7.4c: 100m depth range Southwest coast**

![Graph showing numerical abundance of meiofauna along SW coast at 100m depth range]

**Fig.7.4d: 200m depth range Southwest coast**

![Graph showing numerical abundance of meiofauna along SW coast at 200m depth range]
Fig. 7.5. Numerical abundance (No./10sq.cm) of meiofauna groups along the continental shelf of southeast coast of India at different depth ranges.

Fig. 7.5a: 30m depth range Southeast coast

Fig. 7.5b: 50m depth range Southwest coast
Numerical abundance (No./10sq.cm) of meiofauna groups along the continental shelf of southeast coast of India at different depth ranges.

Fig.7.5c: 100m depth range Southeast coast

Fig.7.5d: 200m depth range Southeast coast
Fig. 7.6a. Average numerical abundance (No./10 sq. cm) of meiobenthos along the shelf waters of the Southwest coast of India

Fig. 7.6b. Average numerical abundance (No./10 sq. cm) of meiobenthos along the shelf waters of the Southwest coast of India
Fig. 7.7. Species diversity indices of meiofauna groups along the continental shelf of Southwest coast of India at different depth ranges

Fig. 7.7a 30m depth range SW coast

Fig. 7.7b 50m depth range SW coast
Species diversity indices of meiofauna groups along the continental shelf of Southwest coast of India at different depth ranges

Fig. 7.7c 100m depth range SW coast

![Graph showing species diversity indices at 100m depth range SW coast](image)

Fig. 7.7d 200m depth range SW coast

![Graph showing species diversity indices at 200m depth range SW coast](image)
Species diversity indices of meiofauna groups along the continental shelf of Southeast coast of India at different depth ranges

**Fig. 7.7e 30m depth range SEcoast**

**Fig. 7.7f 50m depth range SEcoast**
Species diversity indices of meiofauna groups along the continental shelf of Southeast coast of India at different depth ranges

Fig. 7.7g 100m depth range SEcoast

Fig. 7.7h 200m depth range SEcoast
Fig. 7.7 i Average Species diversity indices of meiofauna groups along the continental shelf of Southwest coast of India at different depth ranges

Fig. 7.7 j Average Species diversity indices of meiofauna groups along the continental shelf of southeast coast of India at different depth ranges
Fig. 7.8. Dendrogram (hierarchial clustering) of meiofauna groups at different depth ranges along the SW coast of India

Fig. 7.8a. Dendrogram (hierarchial clustering) of meiofauna groups along the SW coast at 30m depth range

Fig. 7.8b. Dendrogram (hierarchial clustering) of meiofauna groups along the SW coast at 50m depth range
Fig. 7.8c. Dendrogram (hierarchical clustering) of meiofauna groups along the SW coast at 100m depth range

Fig. 7.8d. Dendrogram (hierarchical clustering) of meiofauna groups along the SW coast at 200m depth range
Fig. 7.9. Dendrogram (hierarchical clustering) of meiofauna groups at different depth ranges along the SE coast of India

Fig. 7.9a. Dendrogram (hierarchical clustering) of meiofauna groups along the SE coast at 30m depth range

Fig. 7.9b. Dendrogram (hierarchical clustering) of meiofauna groups along the SE coast at 50m depth range
Fig. 7.9c. Dendrogram (hierarchial clustering) of meiofauna groups along the SE coast at 100m depth range

Fig. 7.9d. Dendrogram (hierarchial clustering) of meiofauna groups along the SE coast at 200m depth range