

BASELINE DATA COLLECTION EXPERIMENTAL MONITORING PROGRAM,
THEODORE SHIP CHANNEL AND BARGE CHANNEL EXTENSION, MOBILE
BAY, ALABAMA.

APPENDIX B

FIGURES 1 - 23

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Figure 1. Station locations. (See Table 1 for Sampling
Element Breakdown.)

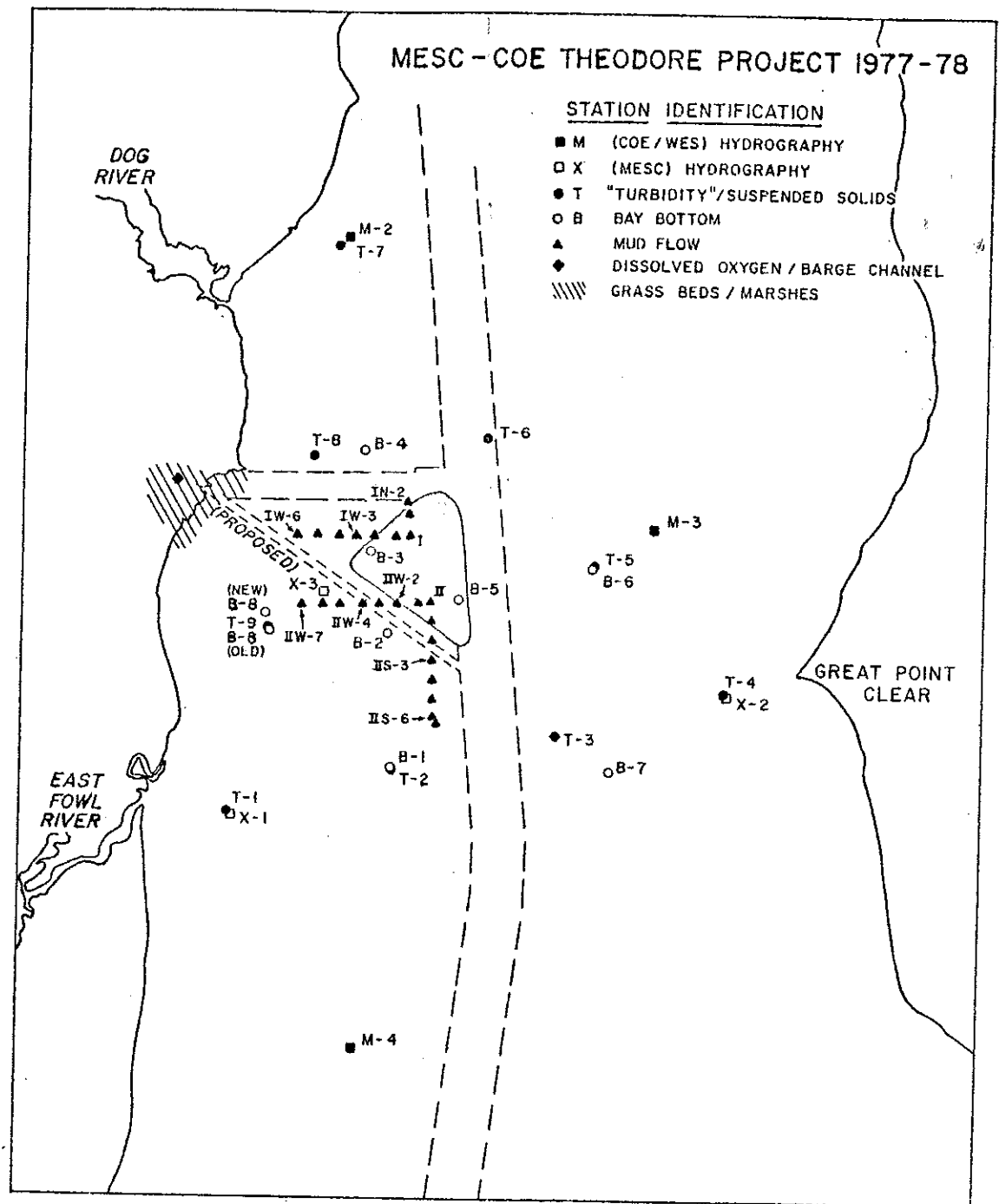


Figure 2. Daily average river discharge.

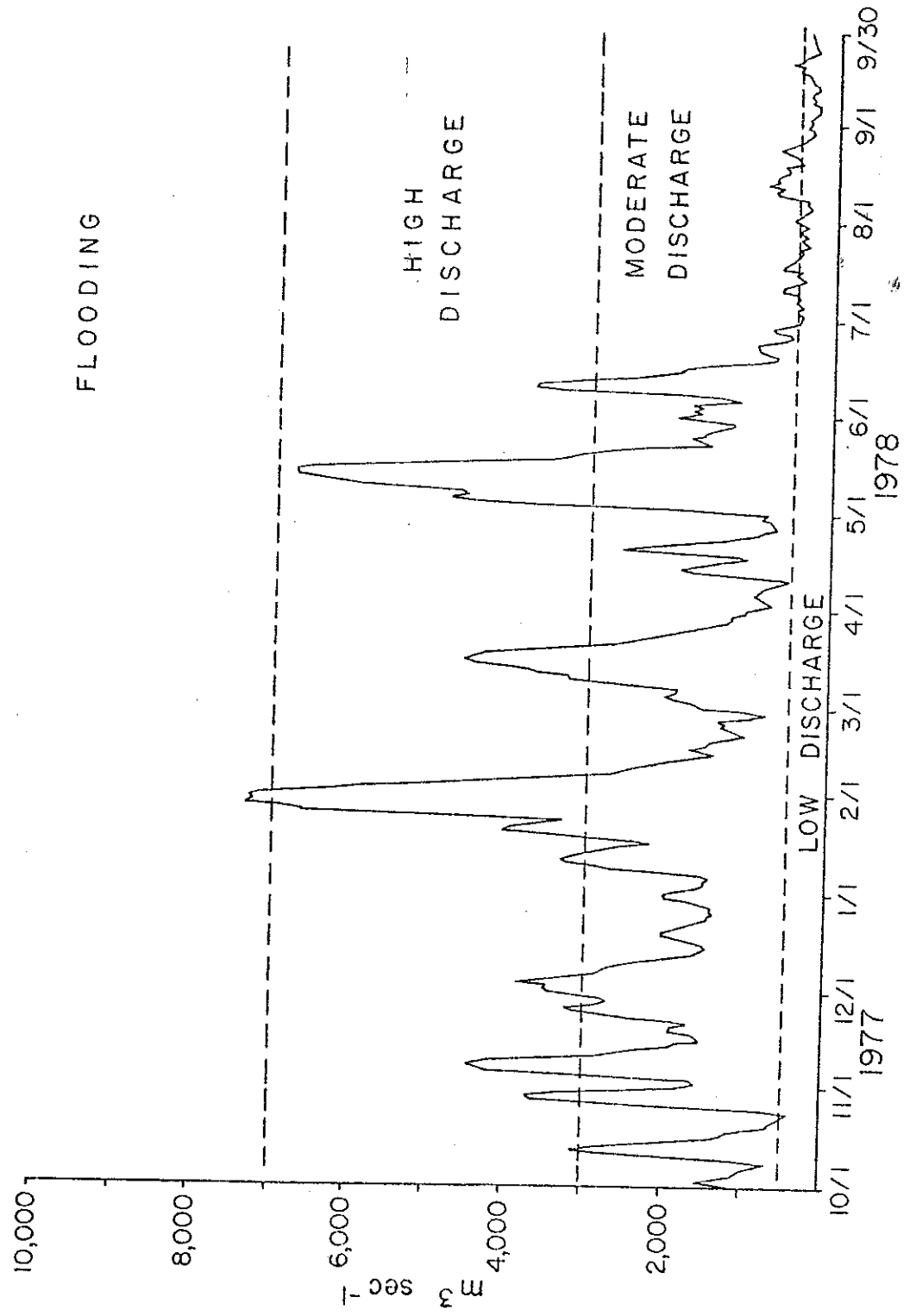


Figure 3a. Average Weekly Salinity Values for East Fowl
River/X-1 (bottom). Included on this figure
are available historical data from this station.

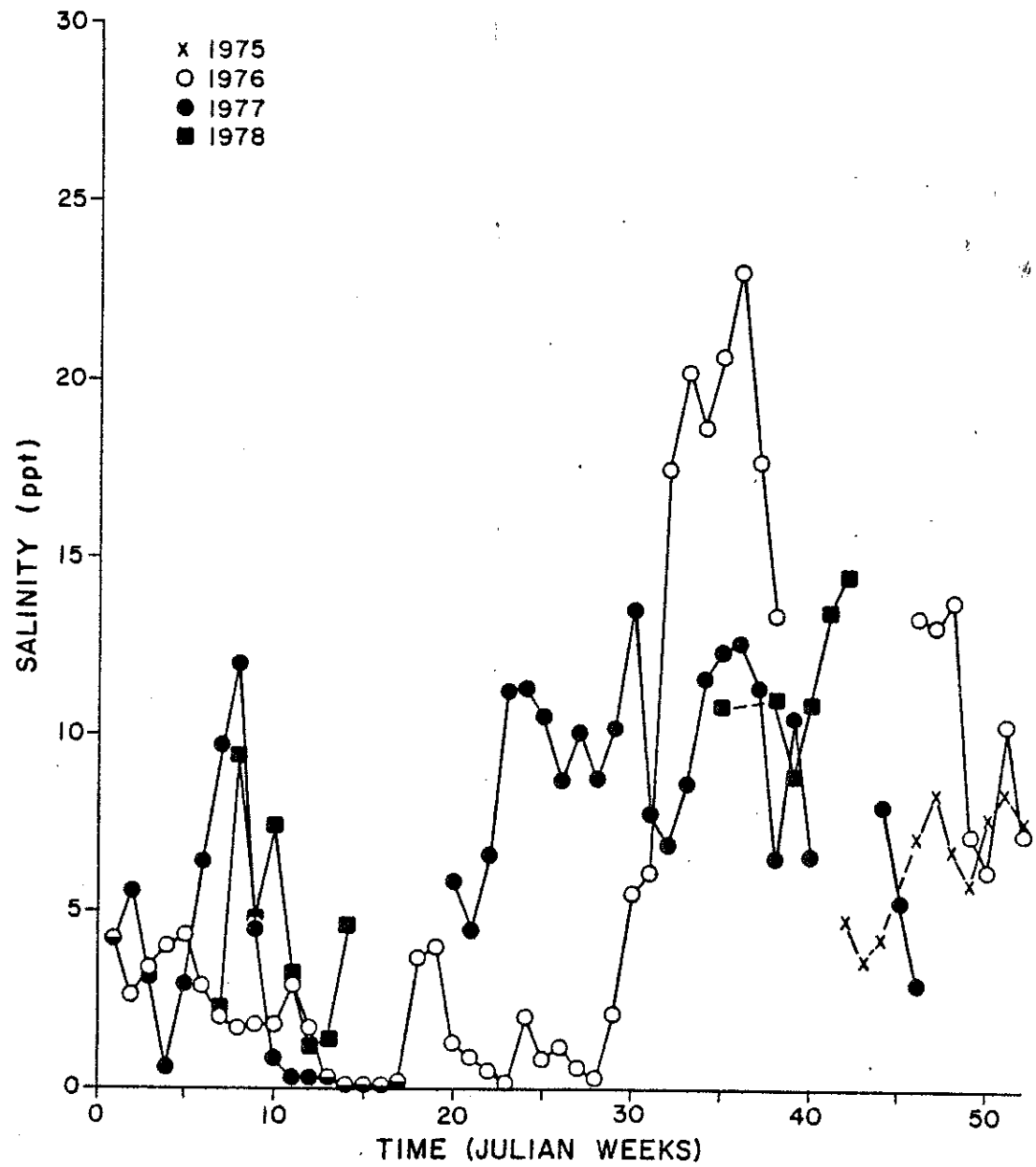


FIG. 3a.

Figure 3b. Average Weekly Temperature Values for East Fowl
River/X-1 (bottom). Included on this figure
are available historical data from this station.

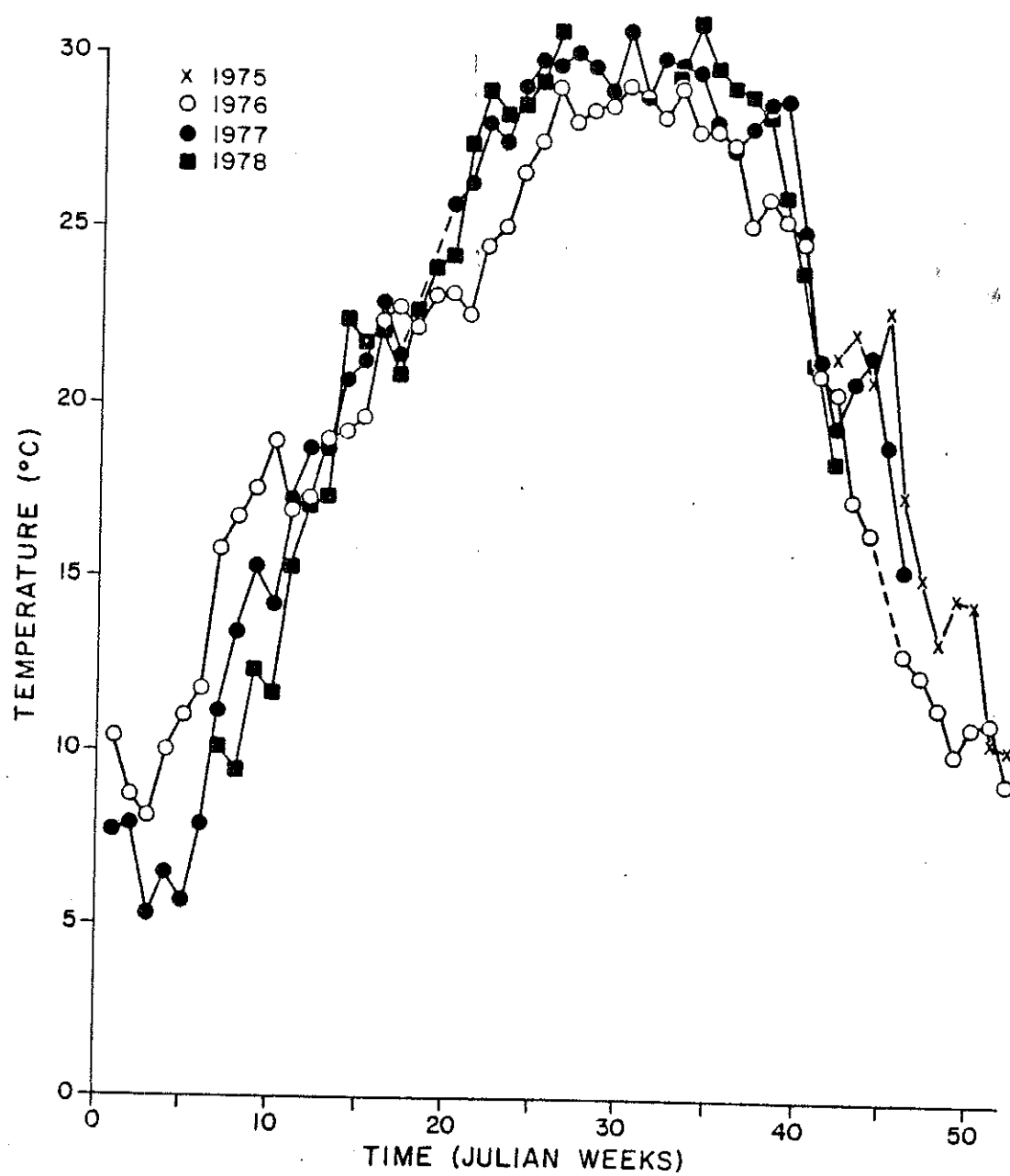


FIG. 3b.

Figure 4a. Average Weekly Salinity Values for Great Point
Clear/X-2 (bottom). Included on this figure are
available historical data from this station.

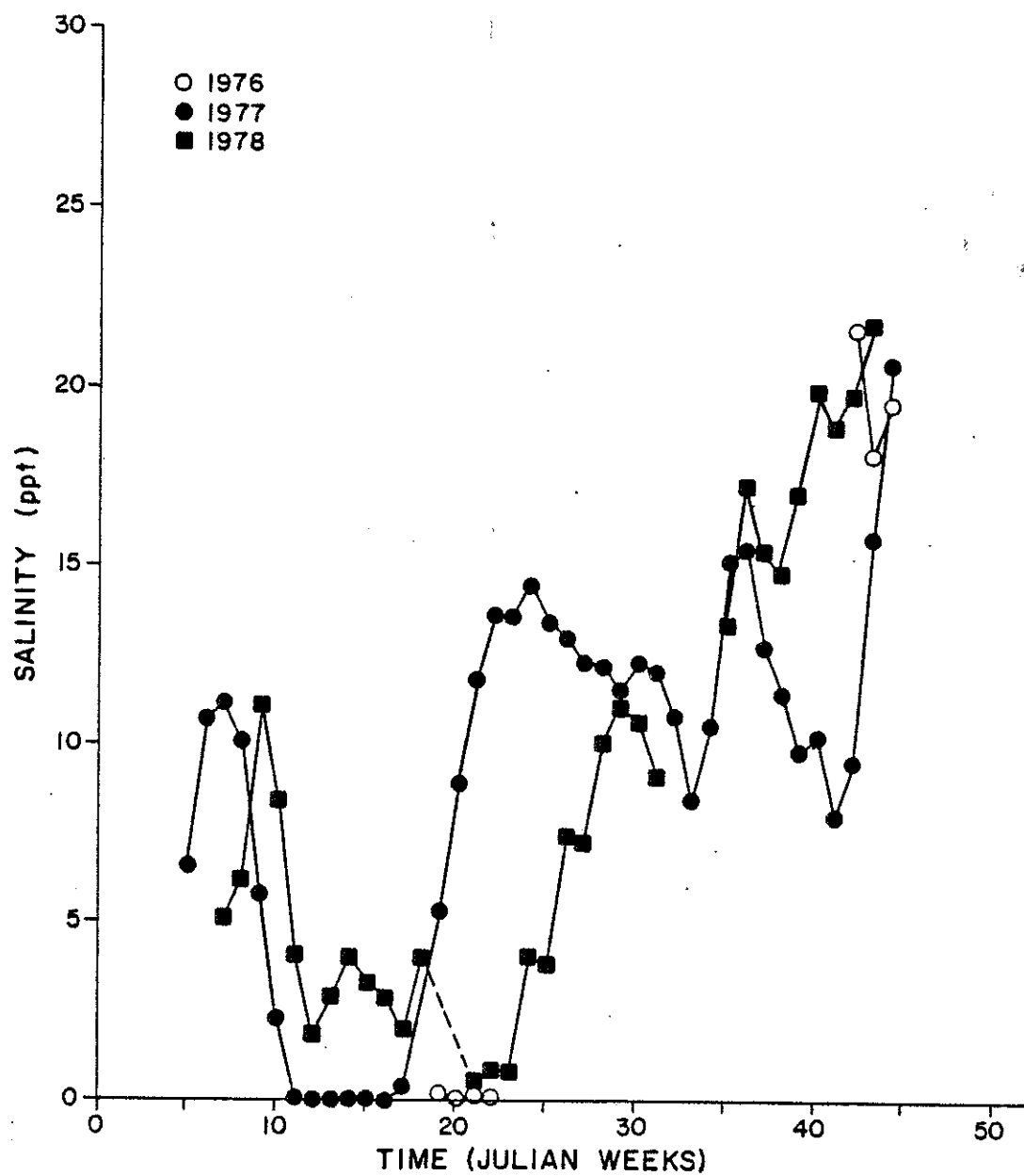


FIG. 4a.

Figure 4b. Average weekly temperature values for Great Point Clear/X-2 (bottom). Included on this figure are available historical data from this station.

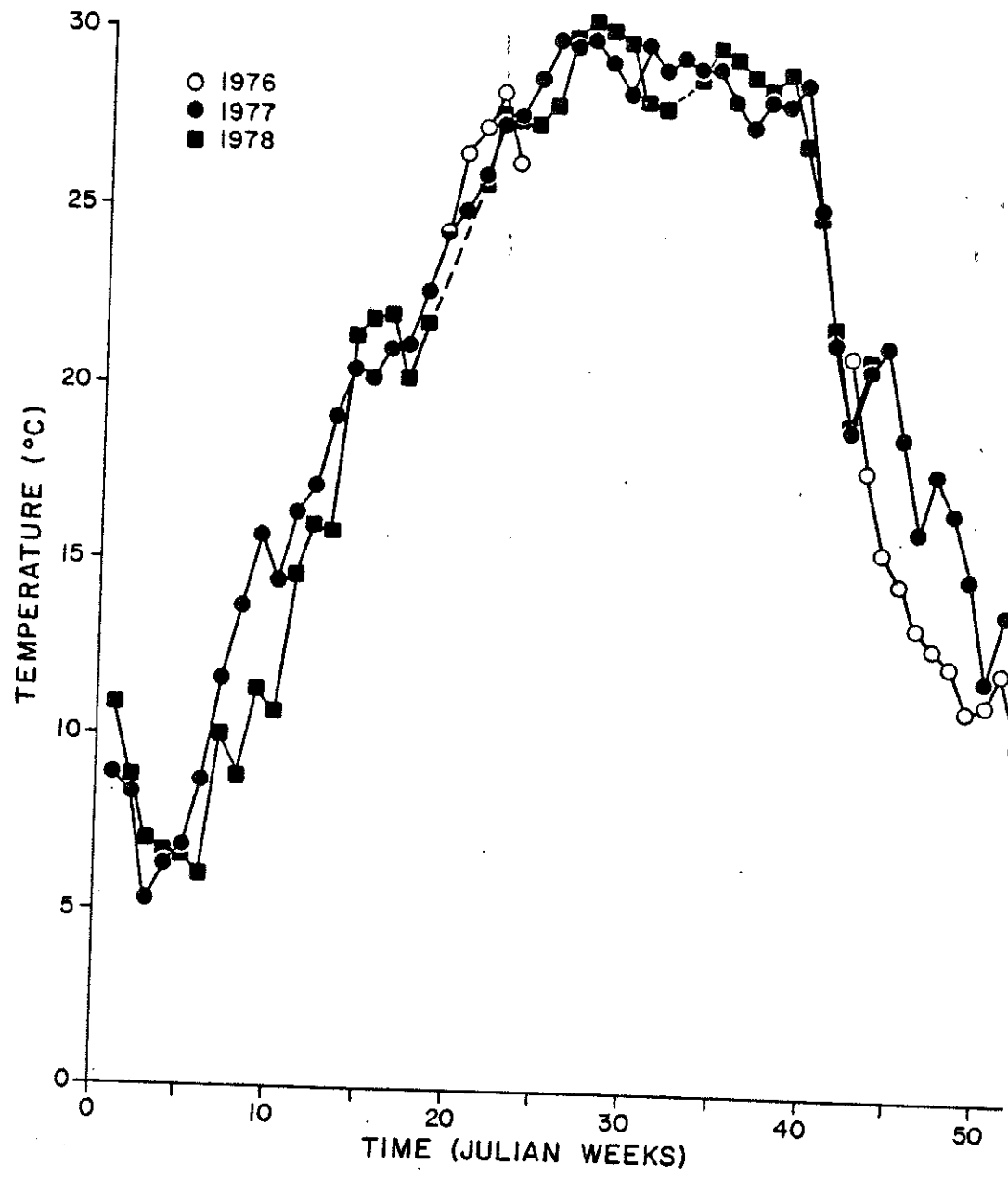


FIG. 4b.

Figure 5a. Average Weekly Salinity Values for Dog River/M-2
(surface and bottom).

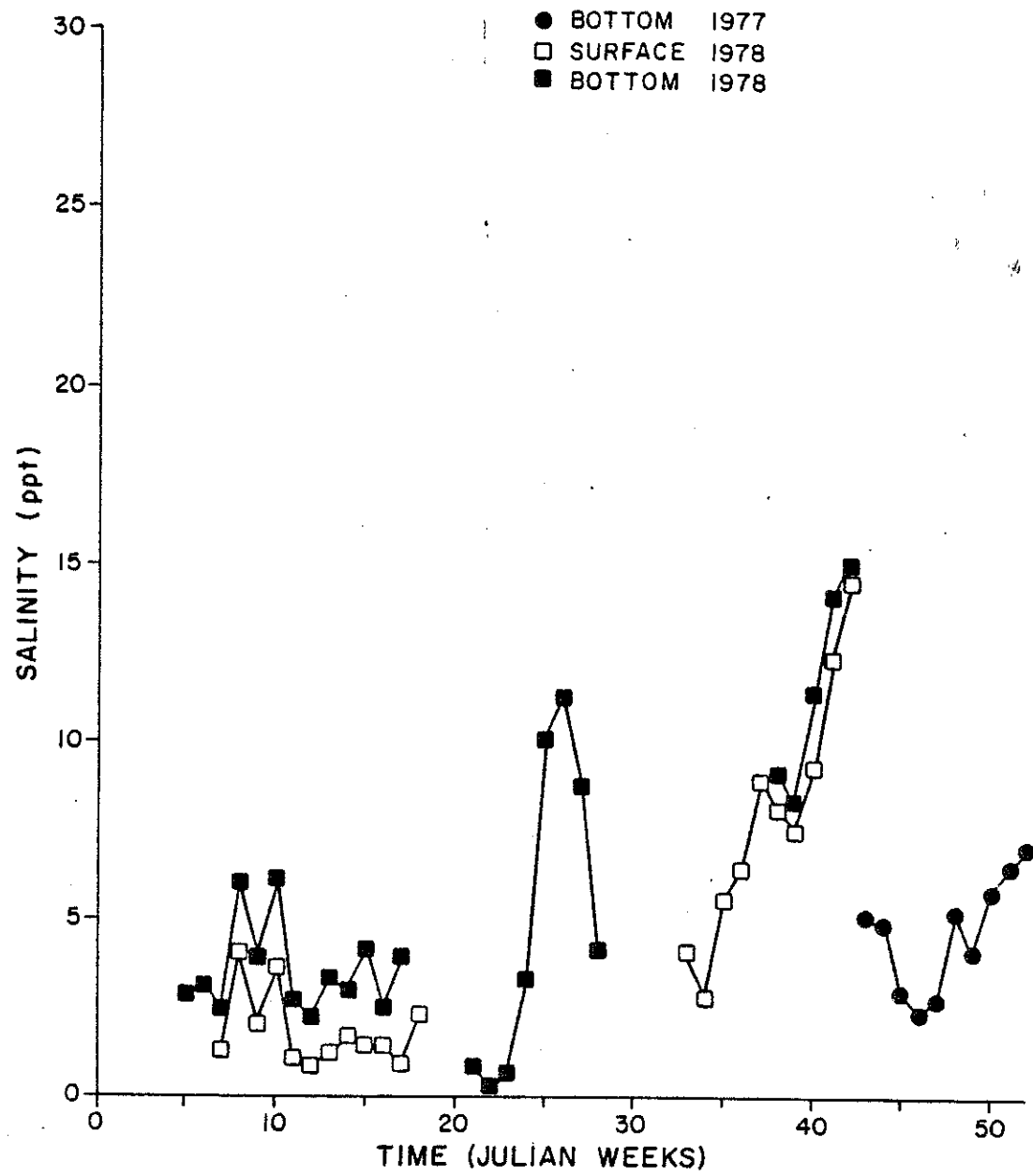


FIG. 5a.

Figure 5b. Average Weekly Temperature Values for Dog River/M-2
(surface and bottom).

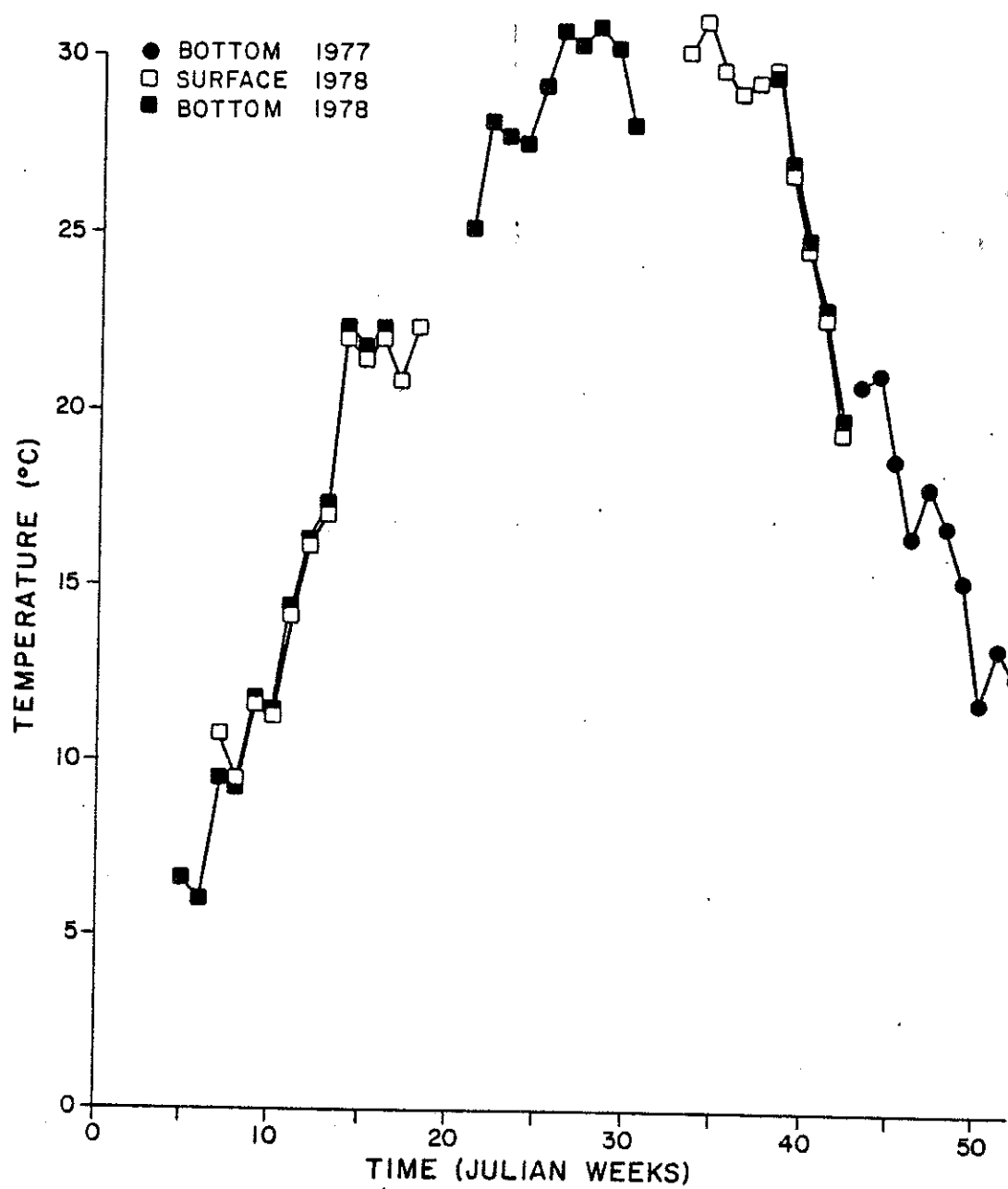


FIG. 5b.

Figure 6a. Average Weekly Salinity Values for Fairhope/M-3
(surface and bottom).

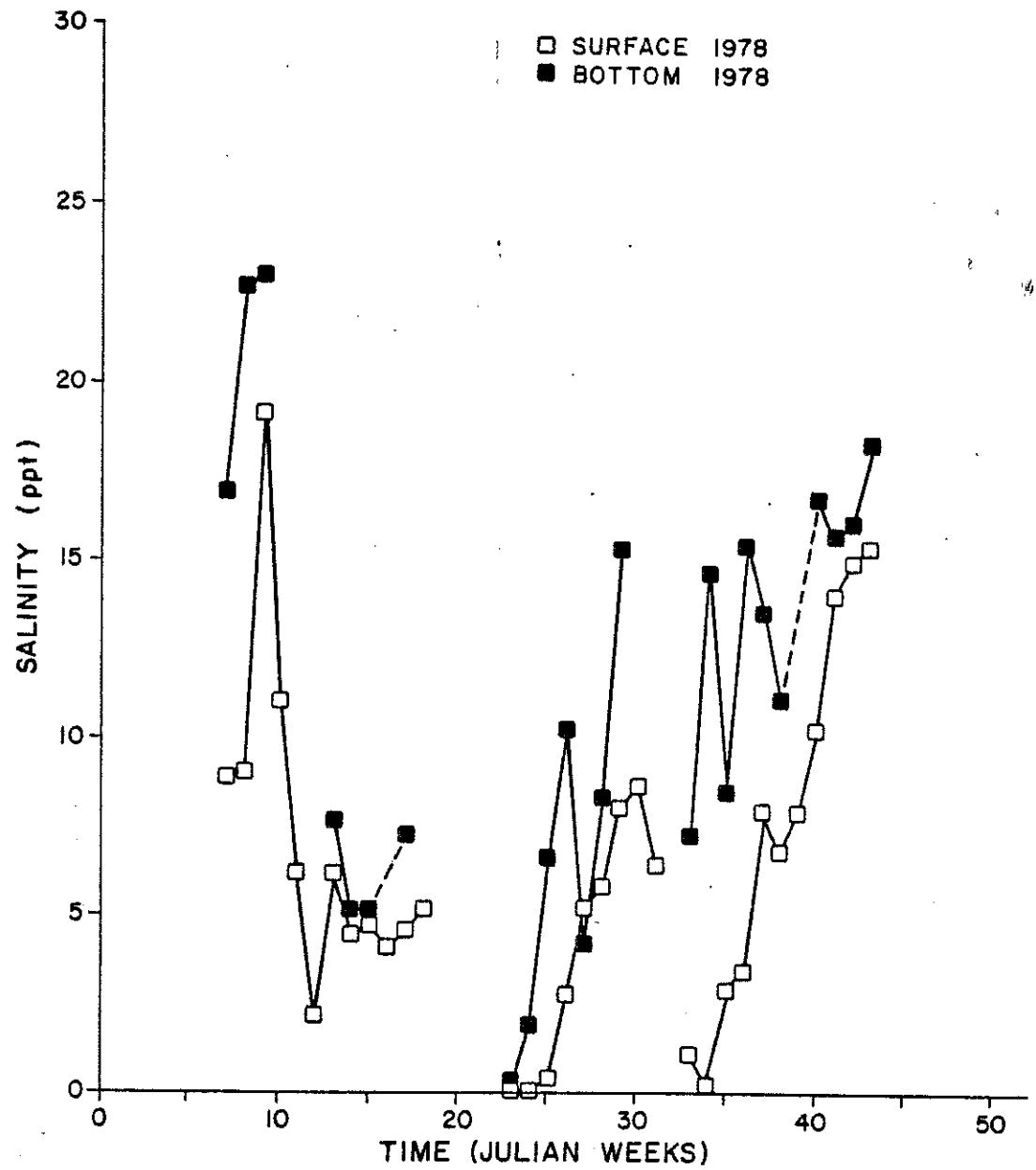


FIG. 6a.

Figure 6b. Average Weekly Temperature Values for Fairhope/M-3
(surface and bottom).

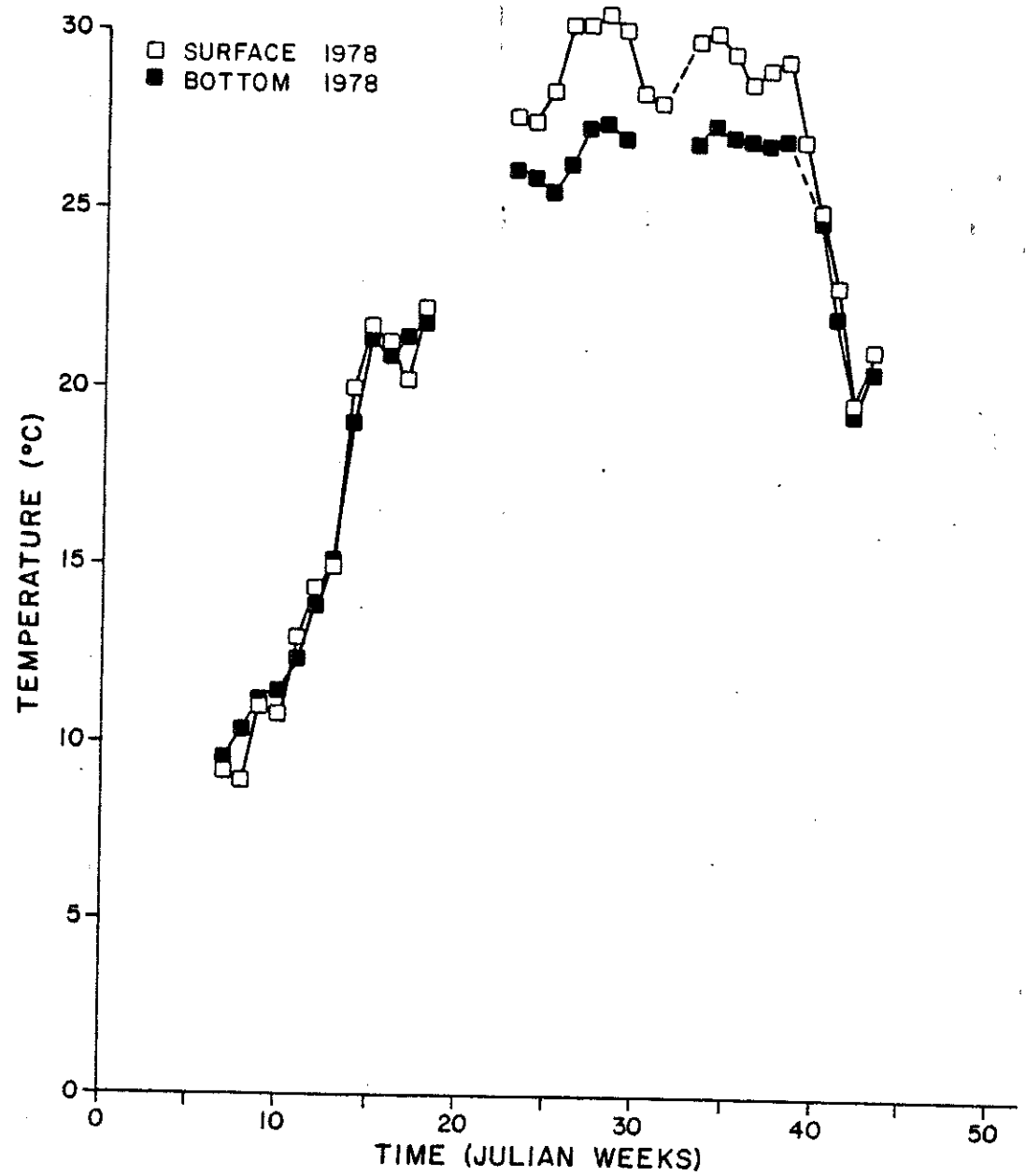


FIG. 6b.

Figure 7a. Average Weekly Salinity Values for Whitehouse Reef/M-4
(surface and bottom).

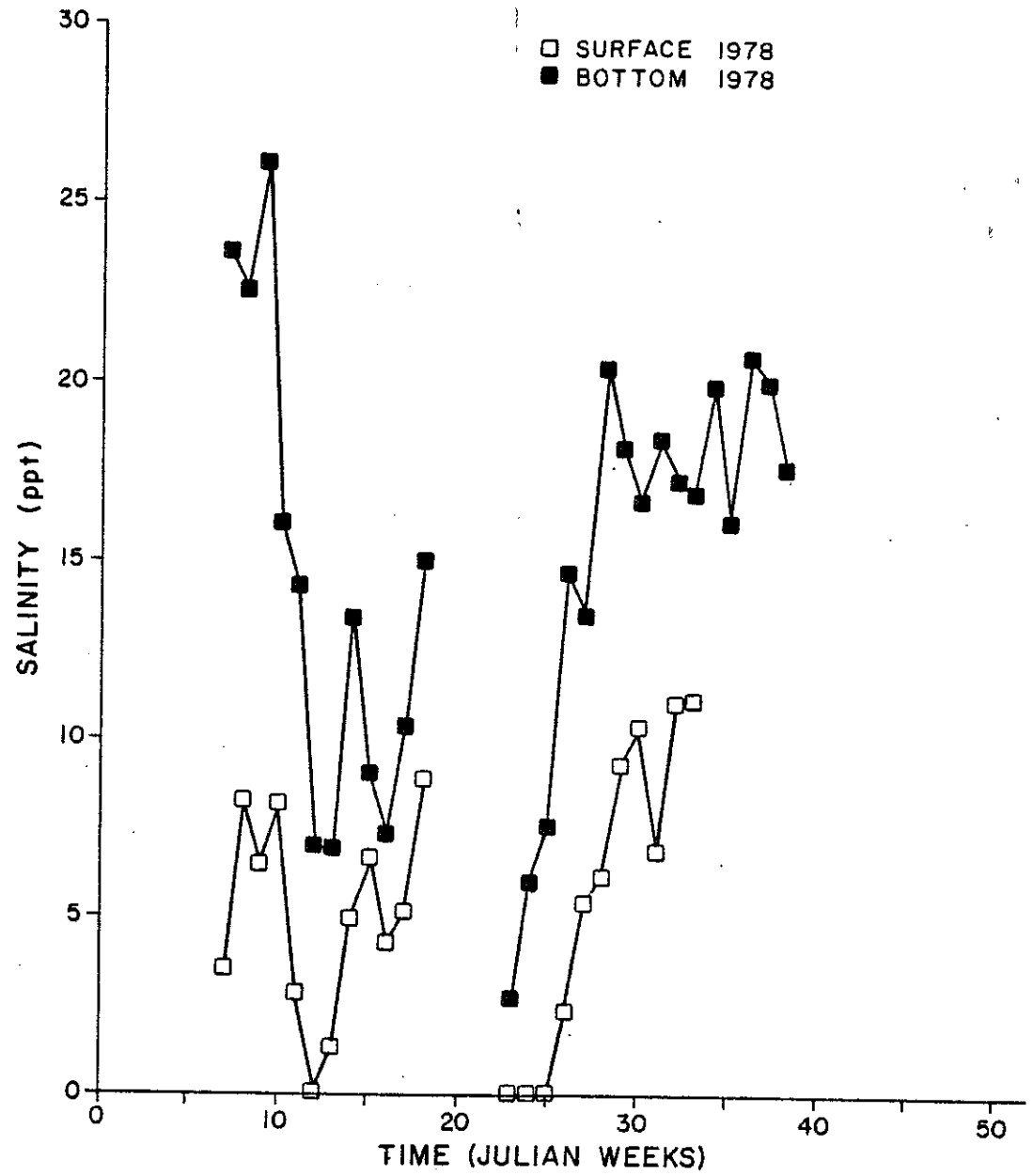


FIG. 7a.

Figure 7b. Average weekly temperature values for Whitehouse Reef/M-4 (surface and bottom).

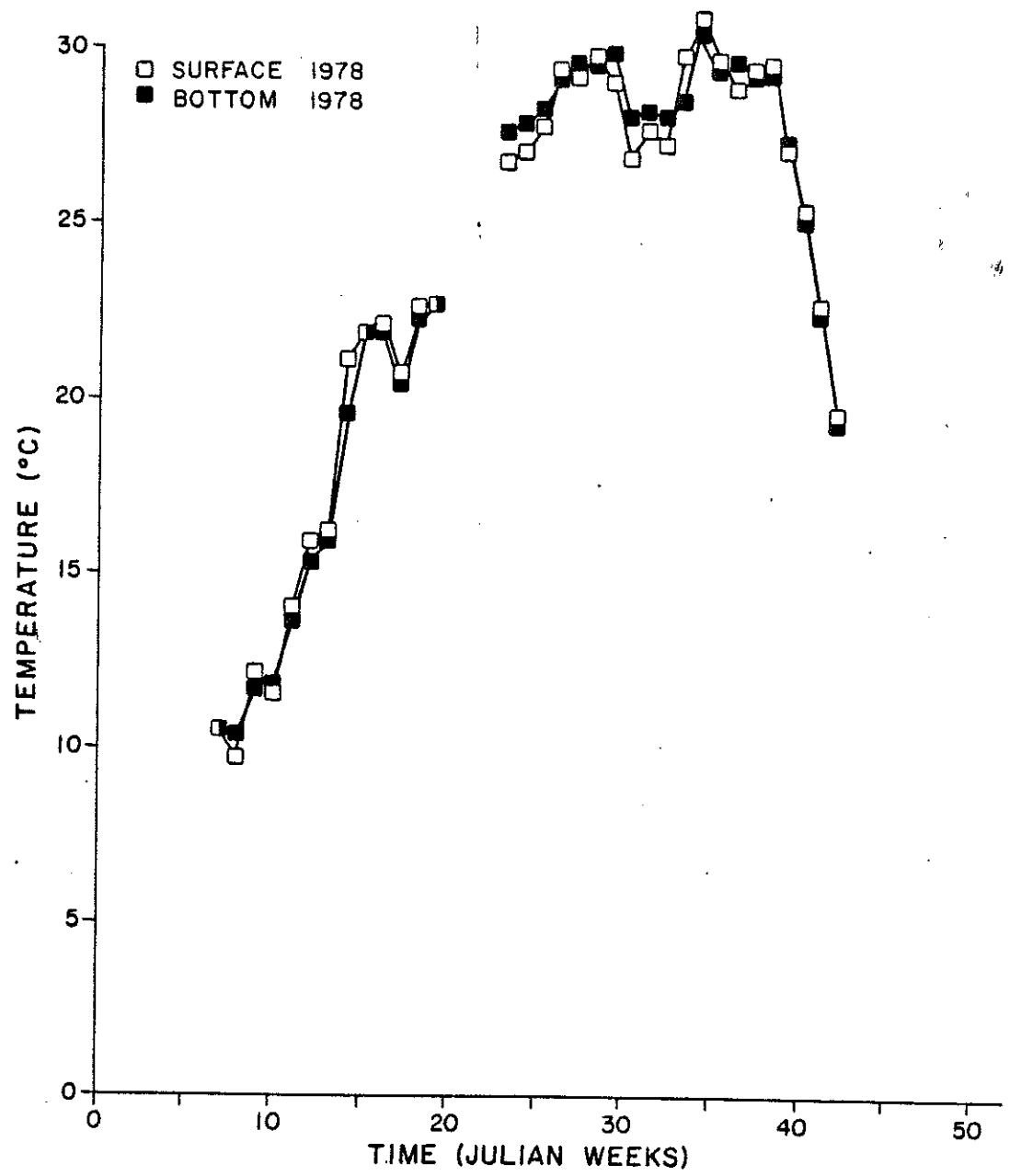


FIG. 7b.

Figure 8. Salinity (ppt) Fields during the Fall Quarter "Turbidity" and Suspended Solids Element, October through November 1977.

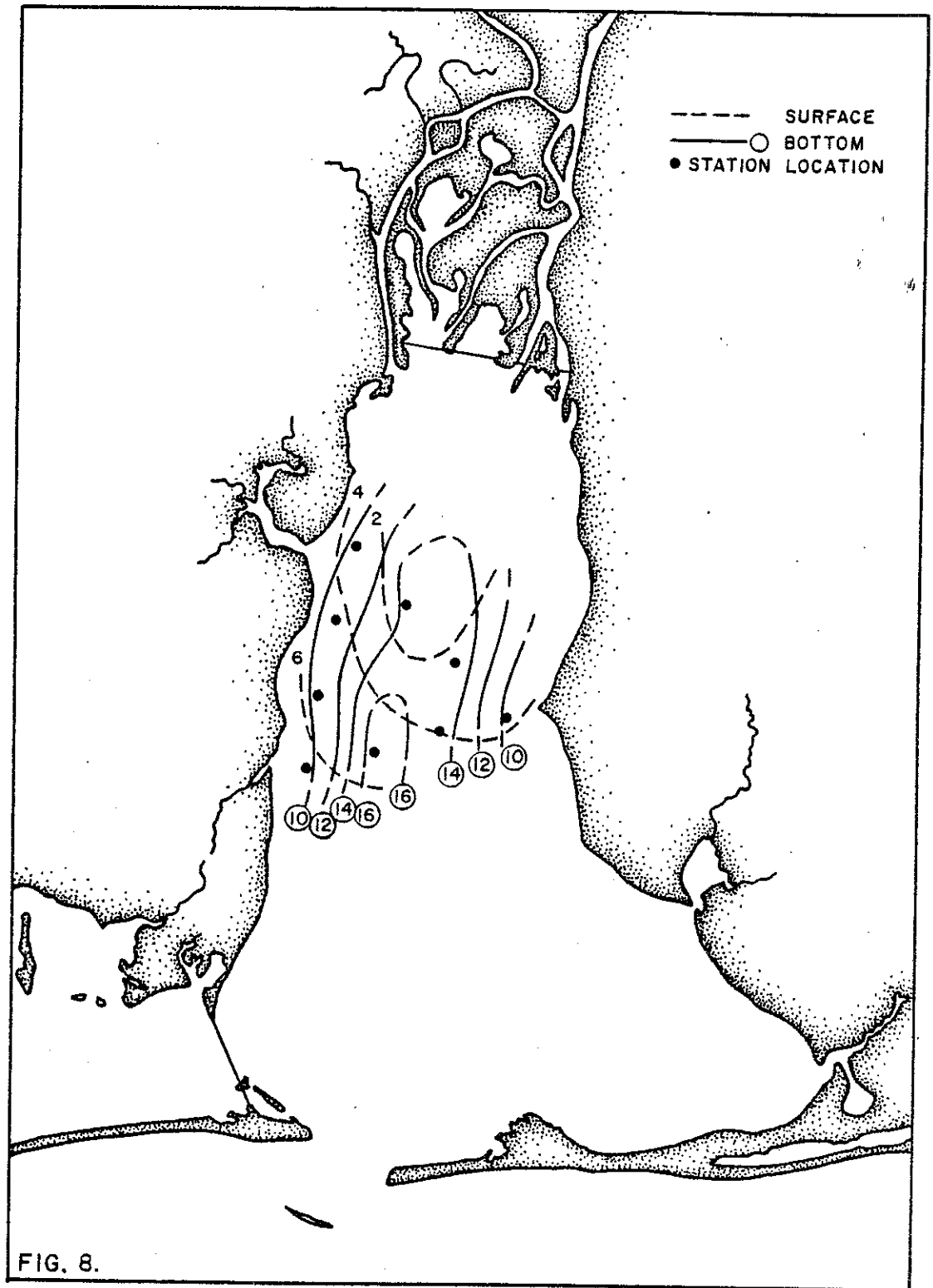


Figure 9. Salinity (ppt) fields during the Winter Quarter "Turbidity" and Suspended Solids Element, January, 1978.

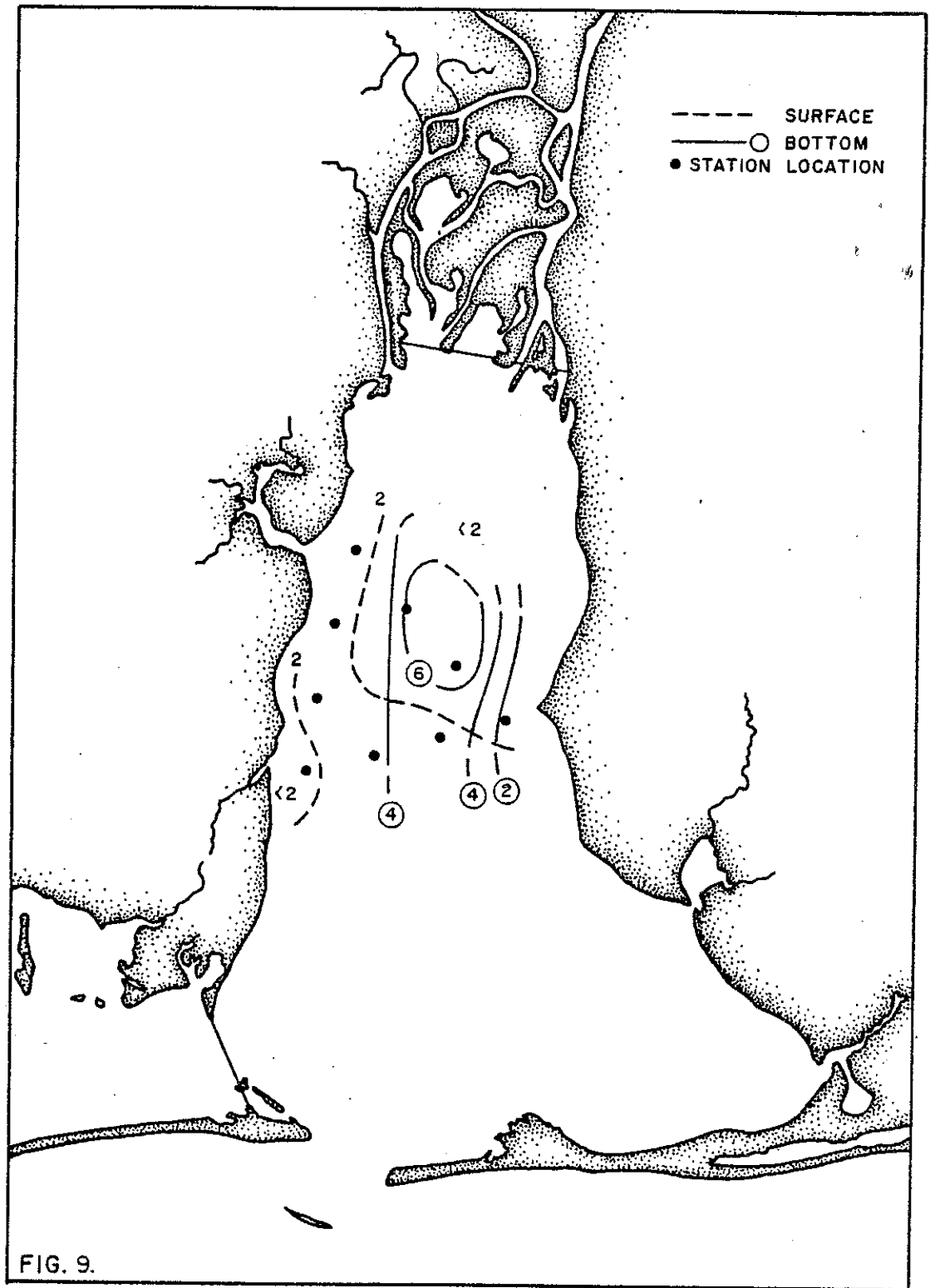


Figure 10. Salinity (ppt) Fields during the Bimonthly "Turbidity"
and Suspended Solids Element, March, 1978

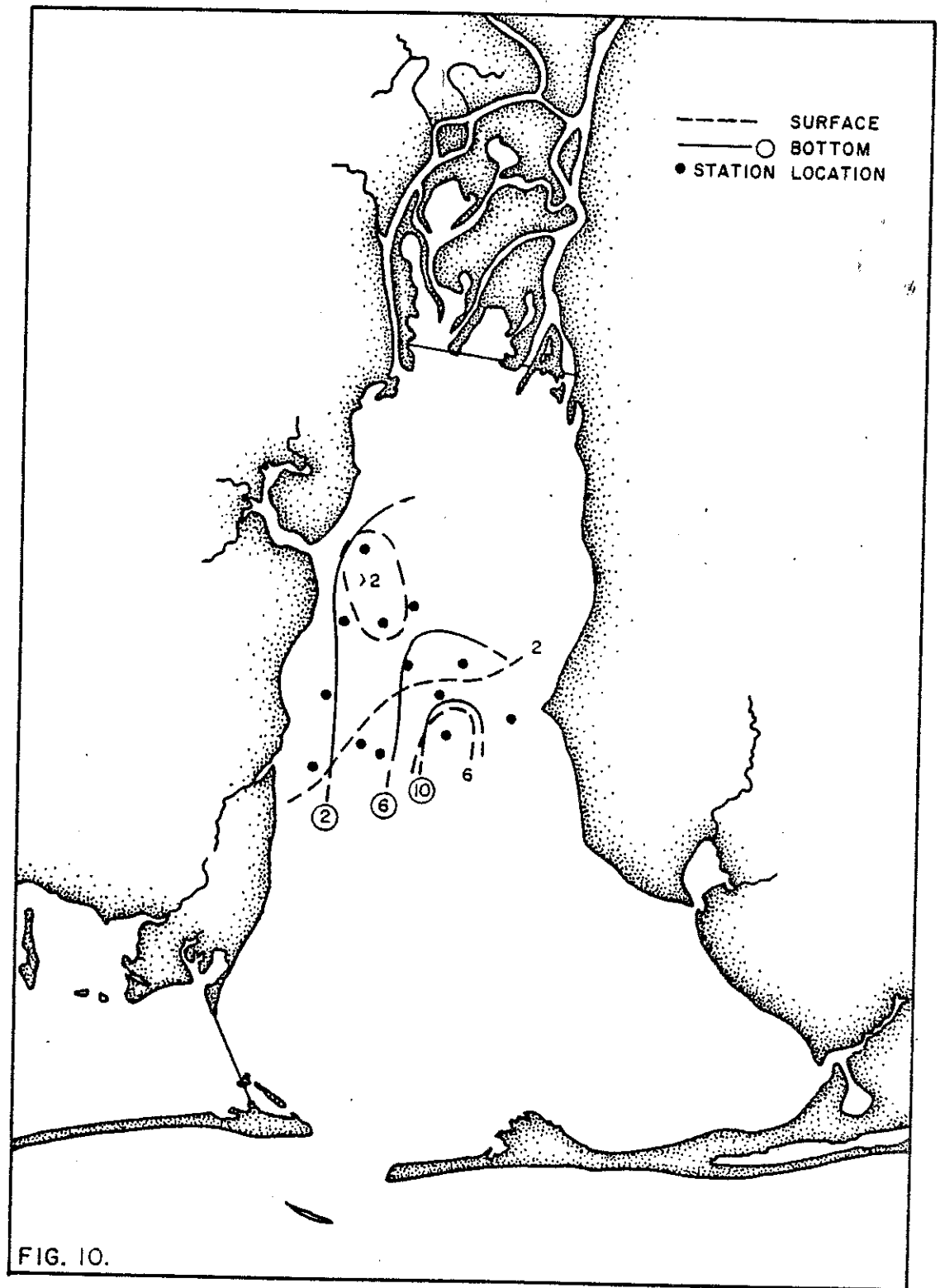


Figure 11. Salinity (ppt) Fields during the Spring Quarter "Turbidity" and Suspended Solids Element, April, 1978.

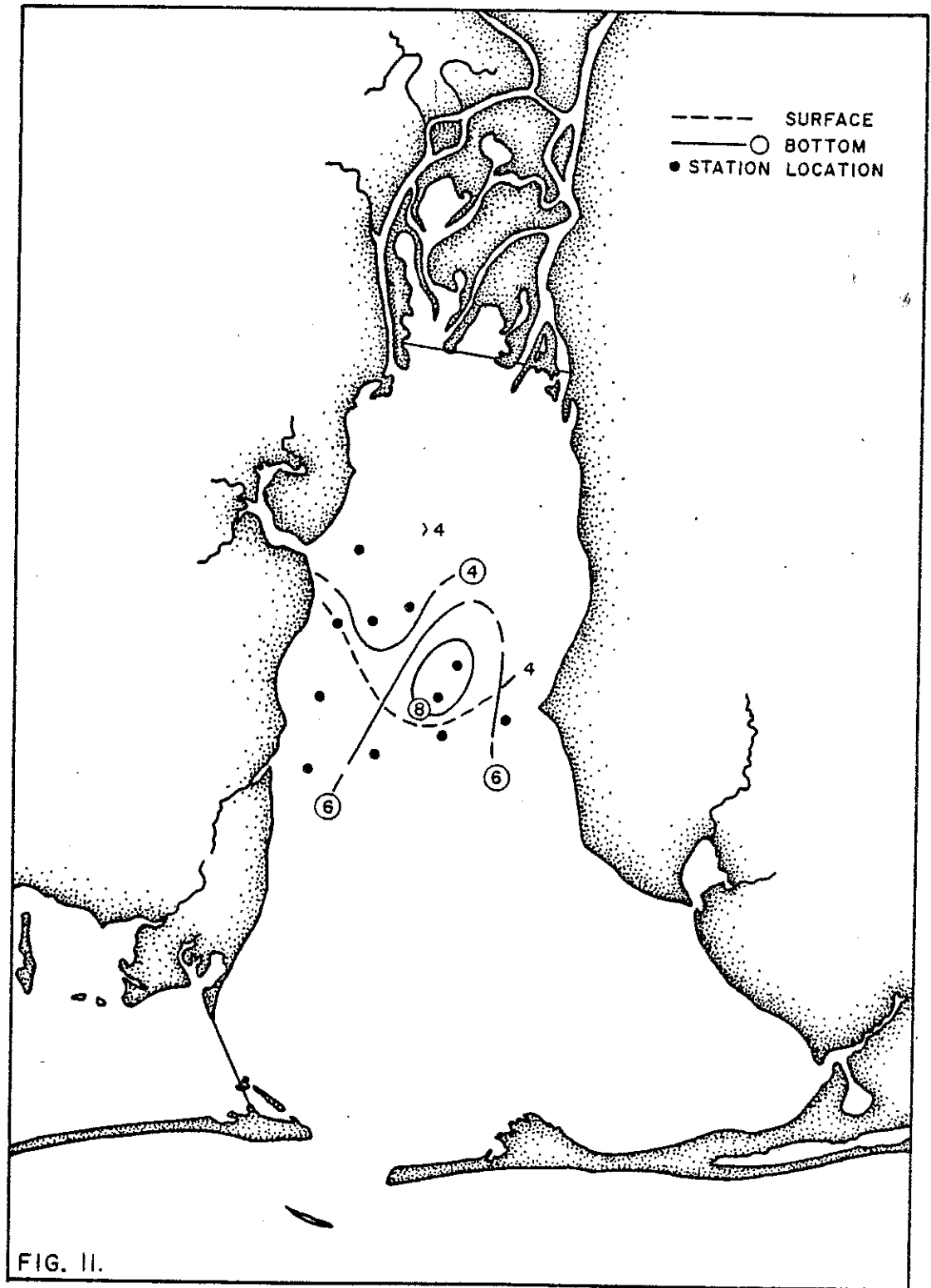


Figure 12. Salinity (ppt) Fields during the Summer Quarter "Turbidity" and Suspended Solids Element, July, 1978.

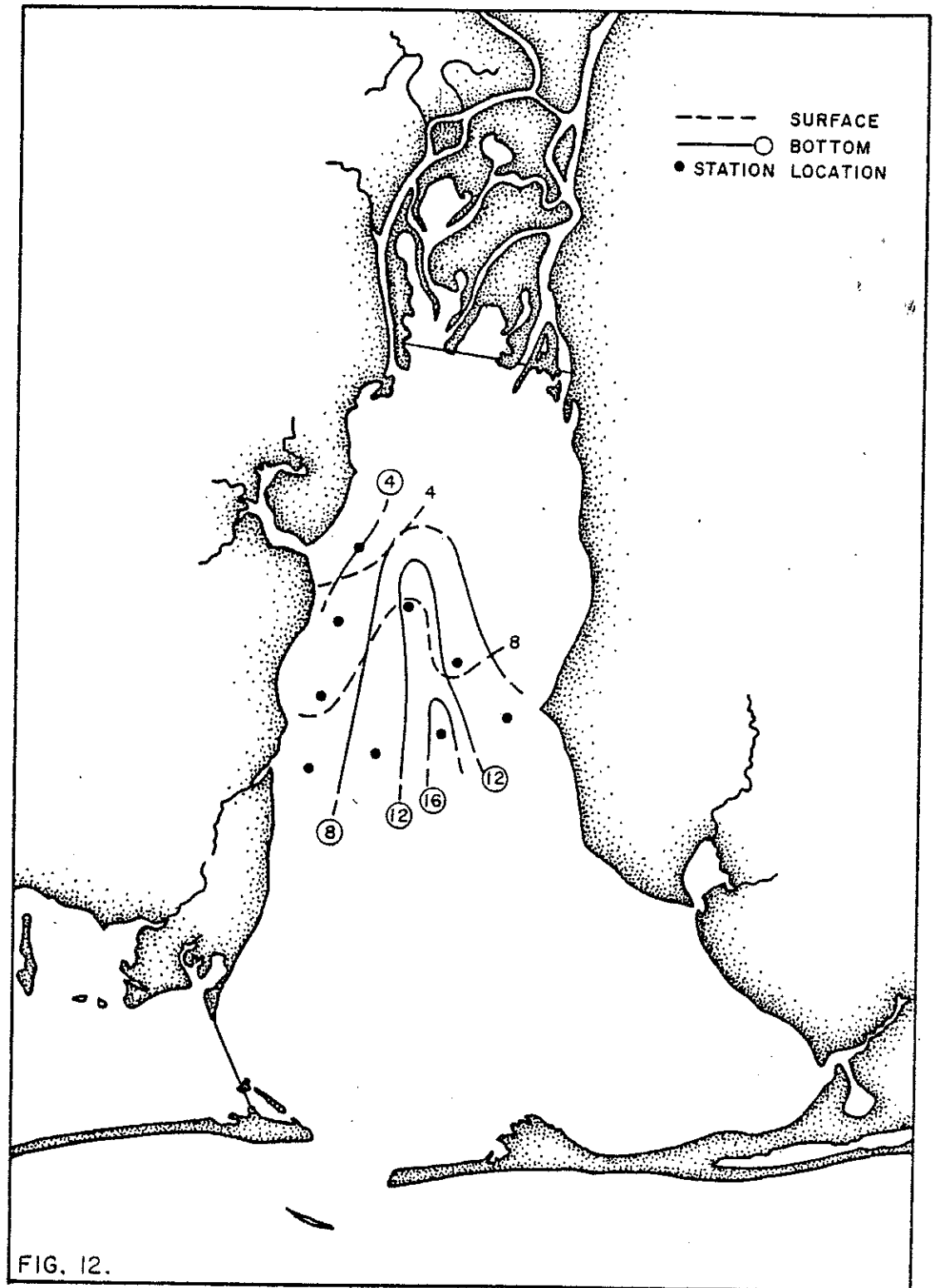


Figure 13. Salinity (ppt) Fields during the Bimonthly "Turbidity"
and Suspended Solids Element, August, 1978.

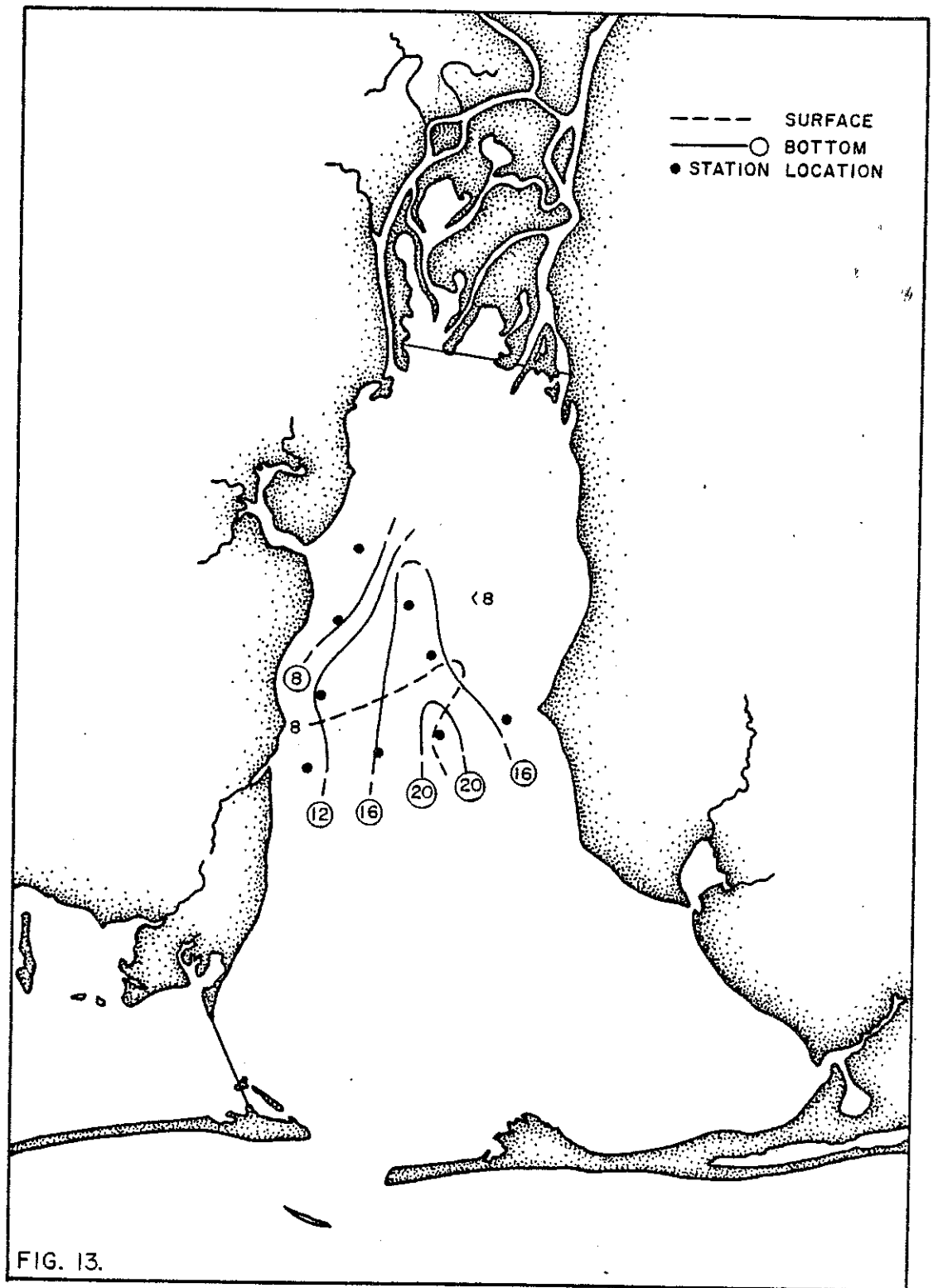


Figure 14. Salinity (ppt) Fields during the Fall Quarter "Turbidity" and Suspended Solids Element, October, 1978.

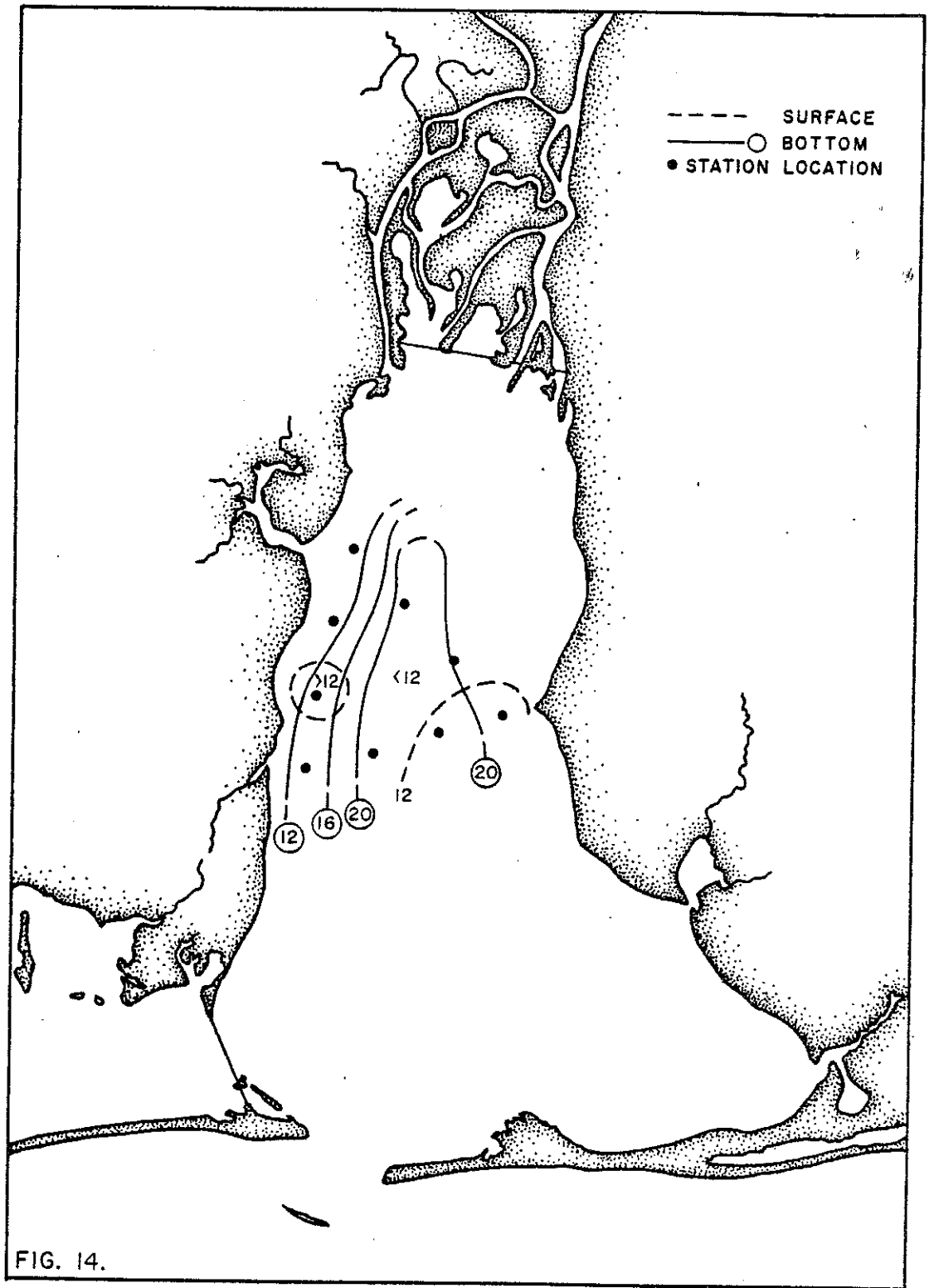


Figure 15. Salinity (ppt) Fields during the "Turbidity" and
Suspended Solids Event Monitoring Element (low
wind - low river discharge) July 10, 1978. Tidal
State - falling water.

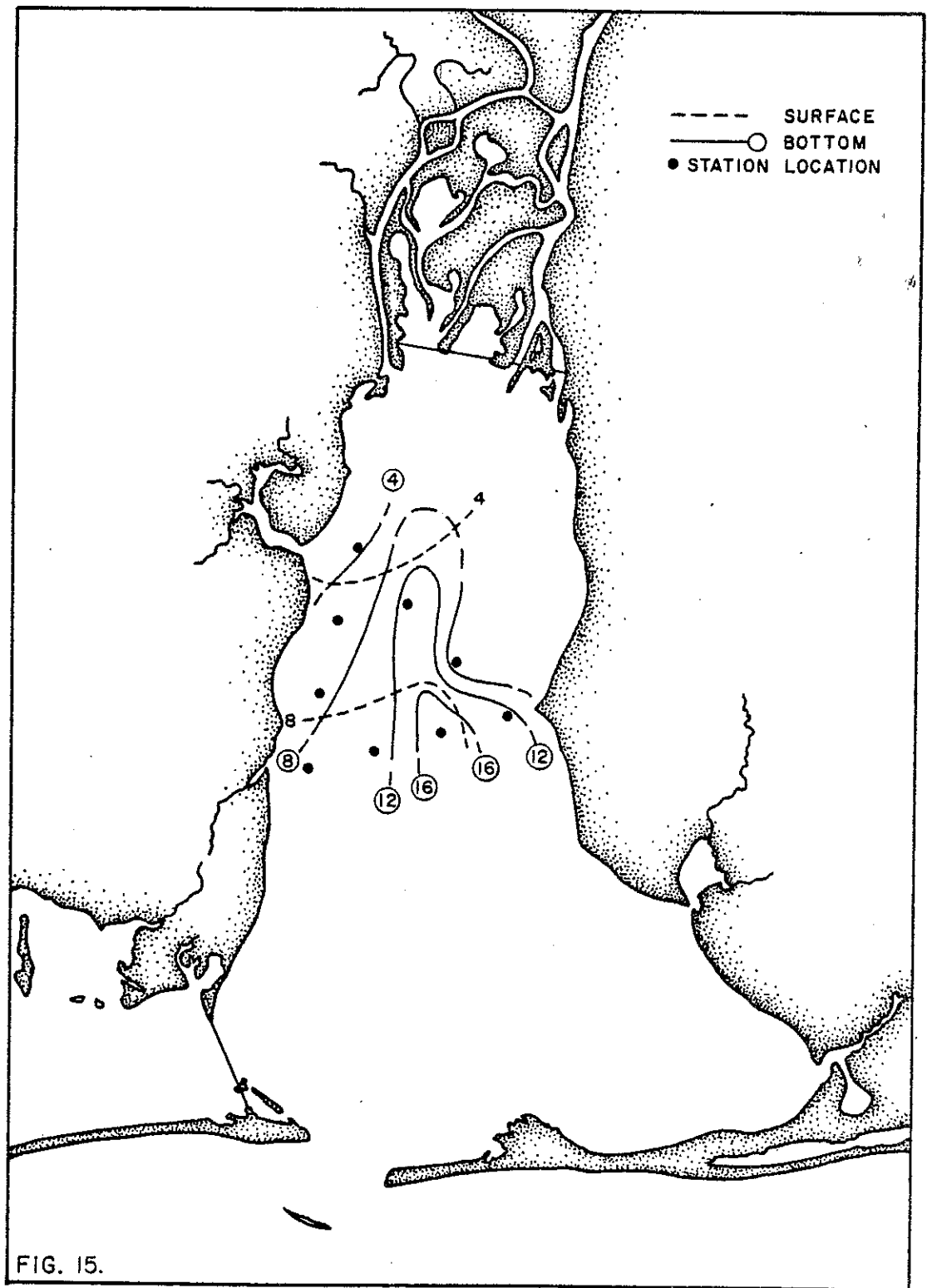


Figure 16. Salinity (ppt) Fields during the "Turbidity" and
Suspended Solids Event Monitoring Element (low
wind - low river discharge) July 10, 1978. Tidal
State - low water.

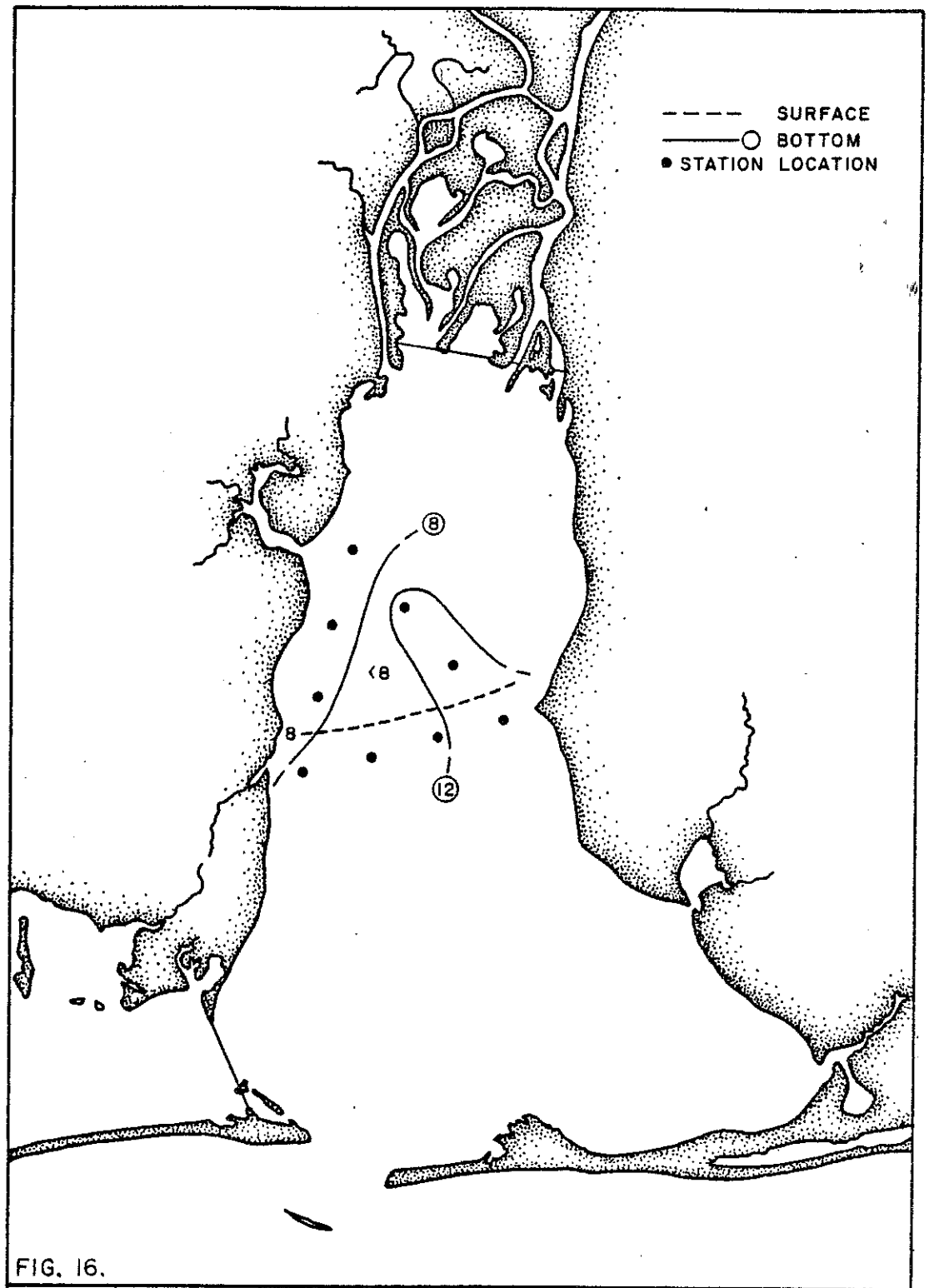


Figure 17. Theodore Barge Canal Dissolved Oxygen Study Sites.

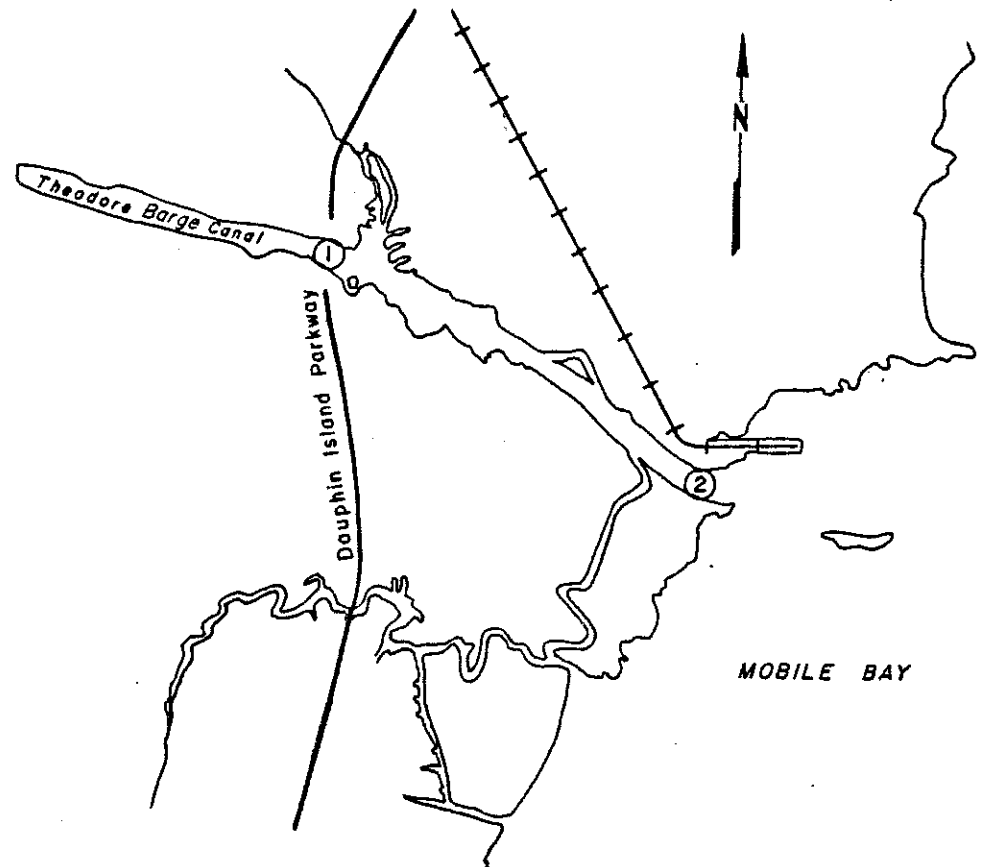


FIG. 17.

Figure 18. Areal averages (all stations) of optical transmission and suspended particulate material.

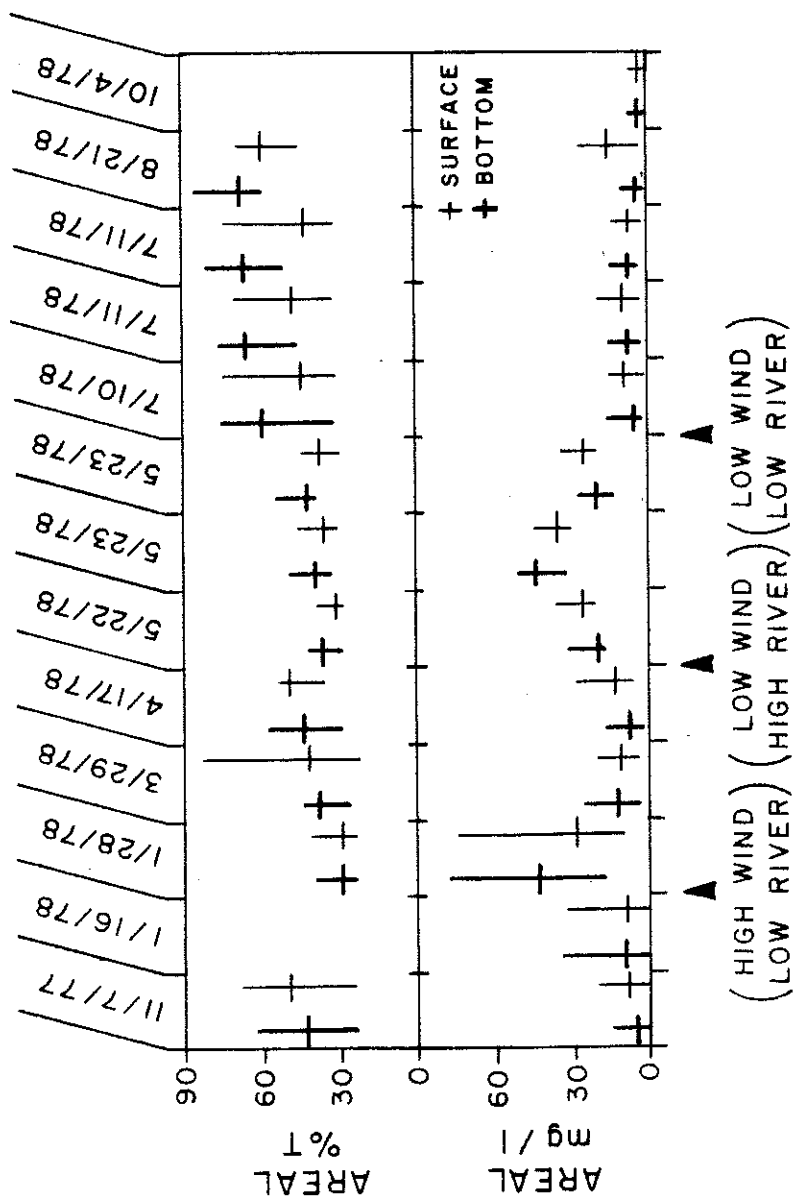


FIG. 18.

Figure 19. Monthly observations of average polychaete abundance and species diversity during 1977-1978.

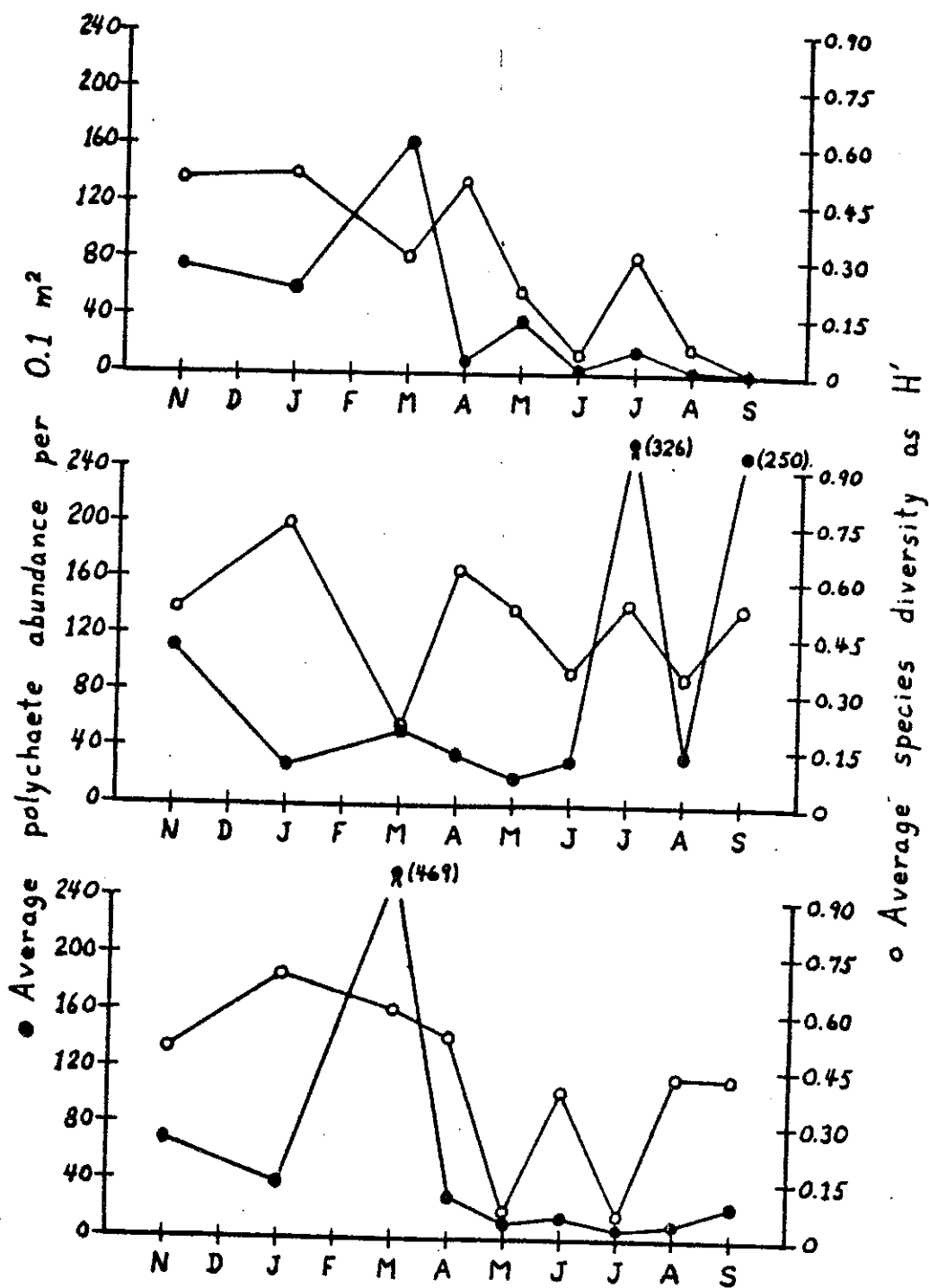


Figure 20. Regression of average abundance on sediment size (phi mean) for January (●), April (▲) and July (■), 1978.

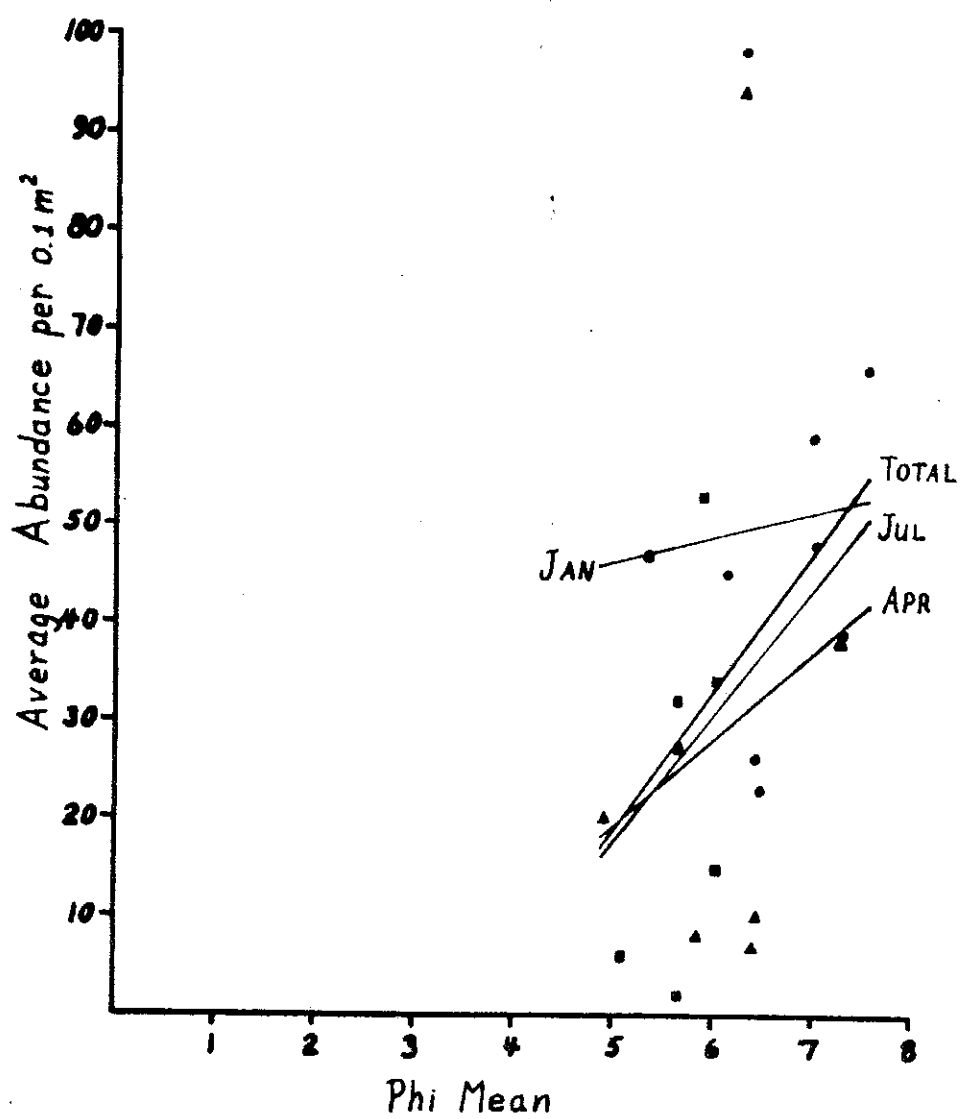


Figure 21. Regression of average species diversity (H') on sediment size for January (●), April (▲) and July (■), 1978.

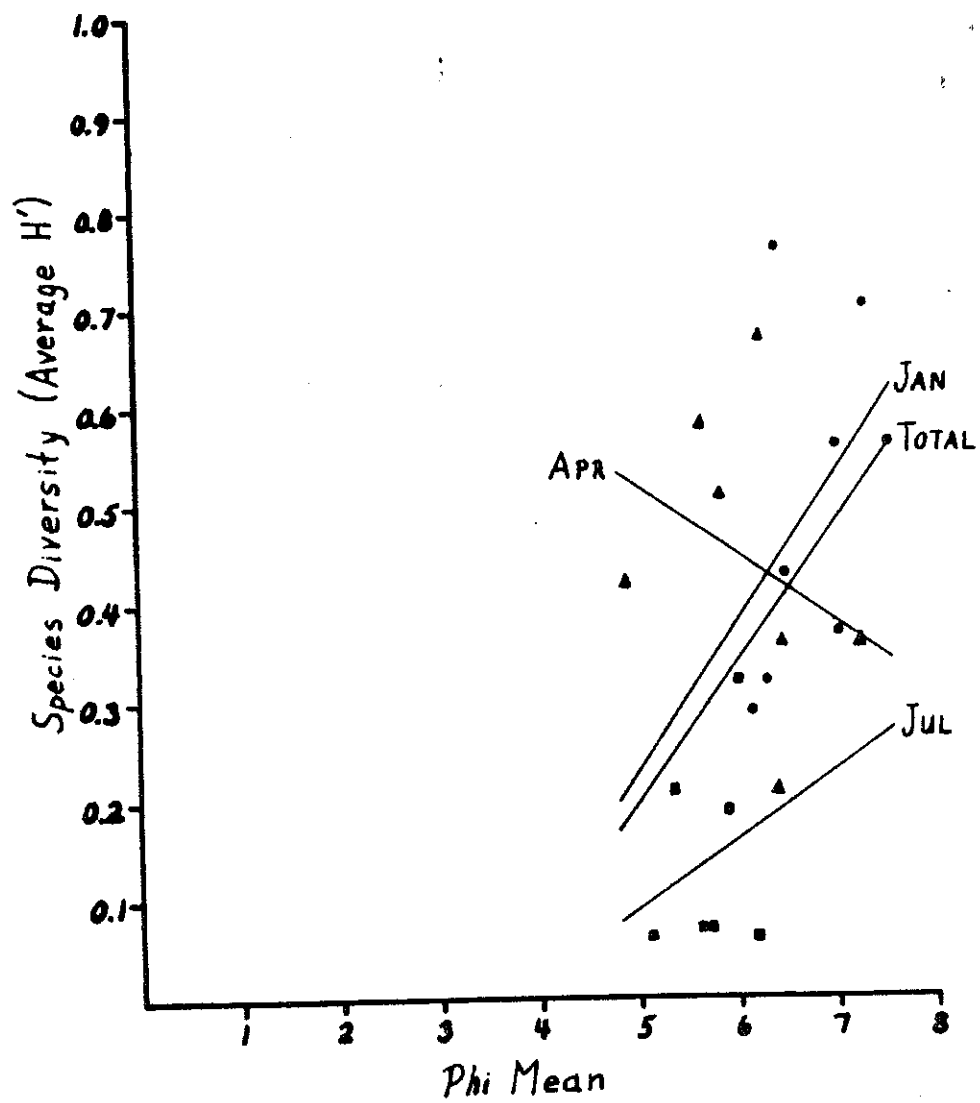


Figure 22. Comparisons of average polychaete abundance and sample period, and of total species number and sample period for a station in the vicinity of shell dredge operations (B-1), and a station assumed to have been unaffected by shell dredging (B-7).

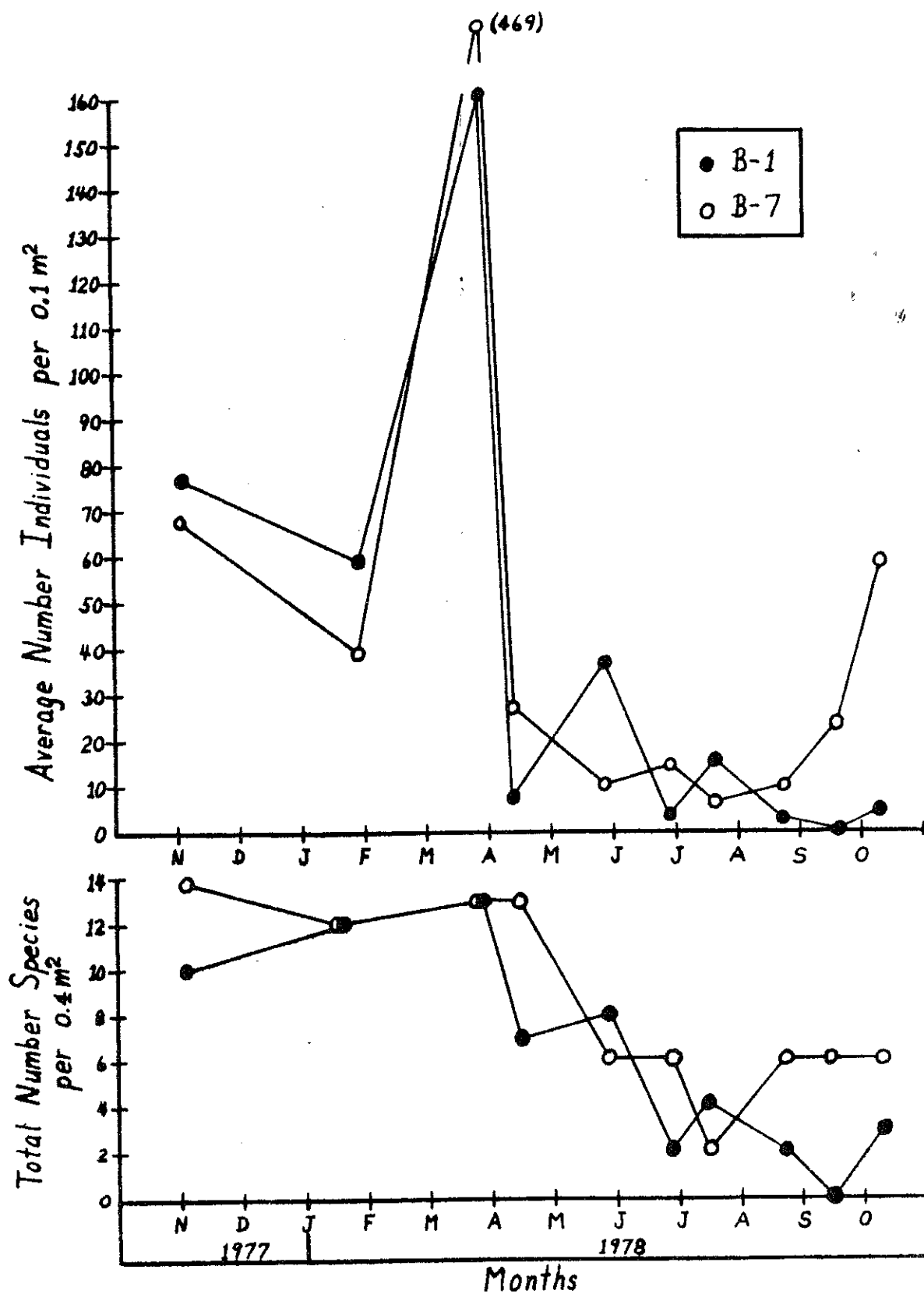


Figure 23. Cumulative species - area curves for three stations sampled in November, 1977.

