

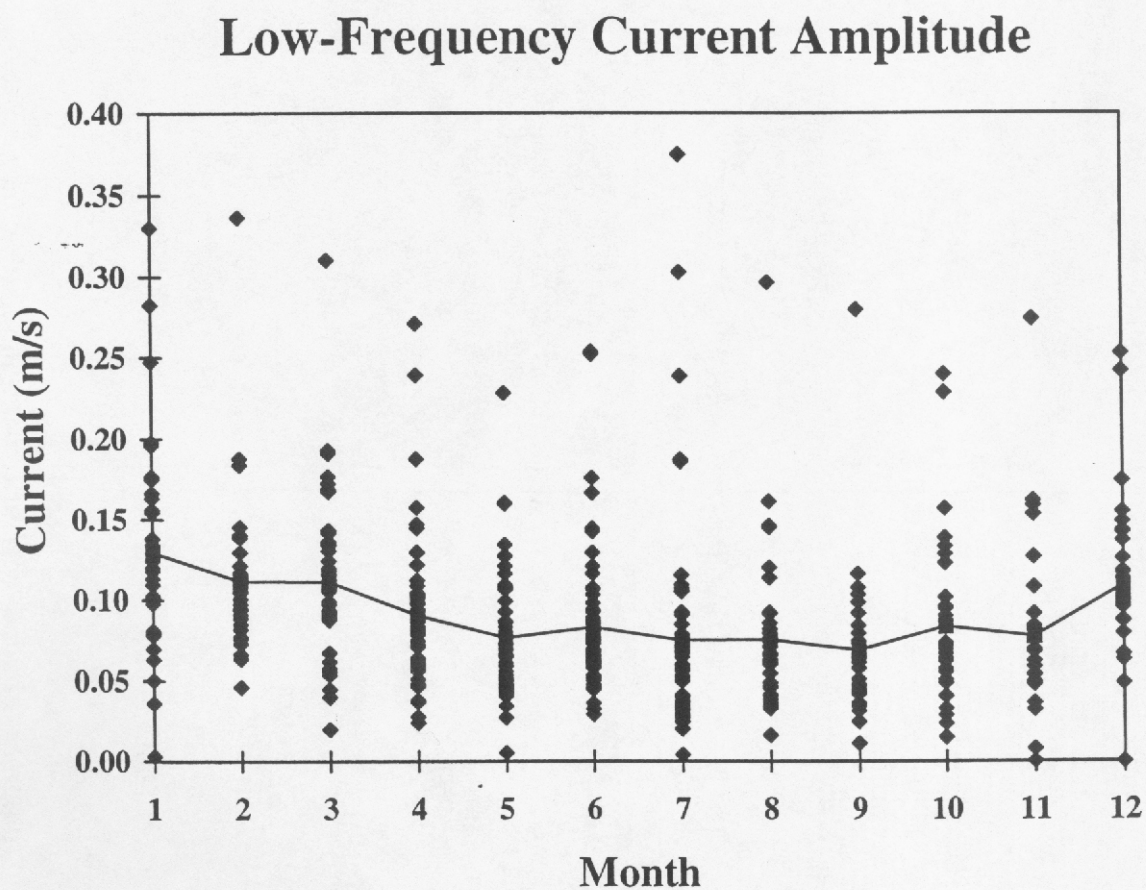


Fig. 6.1.9. Standard deviations of the low-frequency currents for the region shown in Fig. 6.1.1. The line indicates the mean value of the standard deviations.

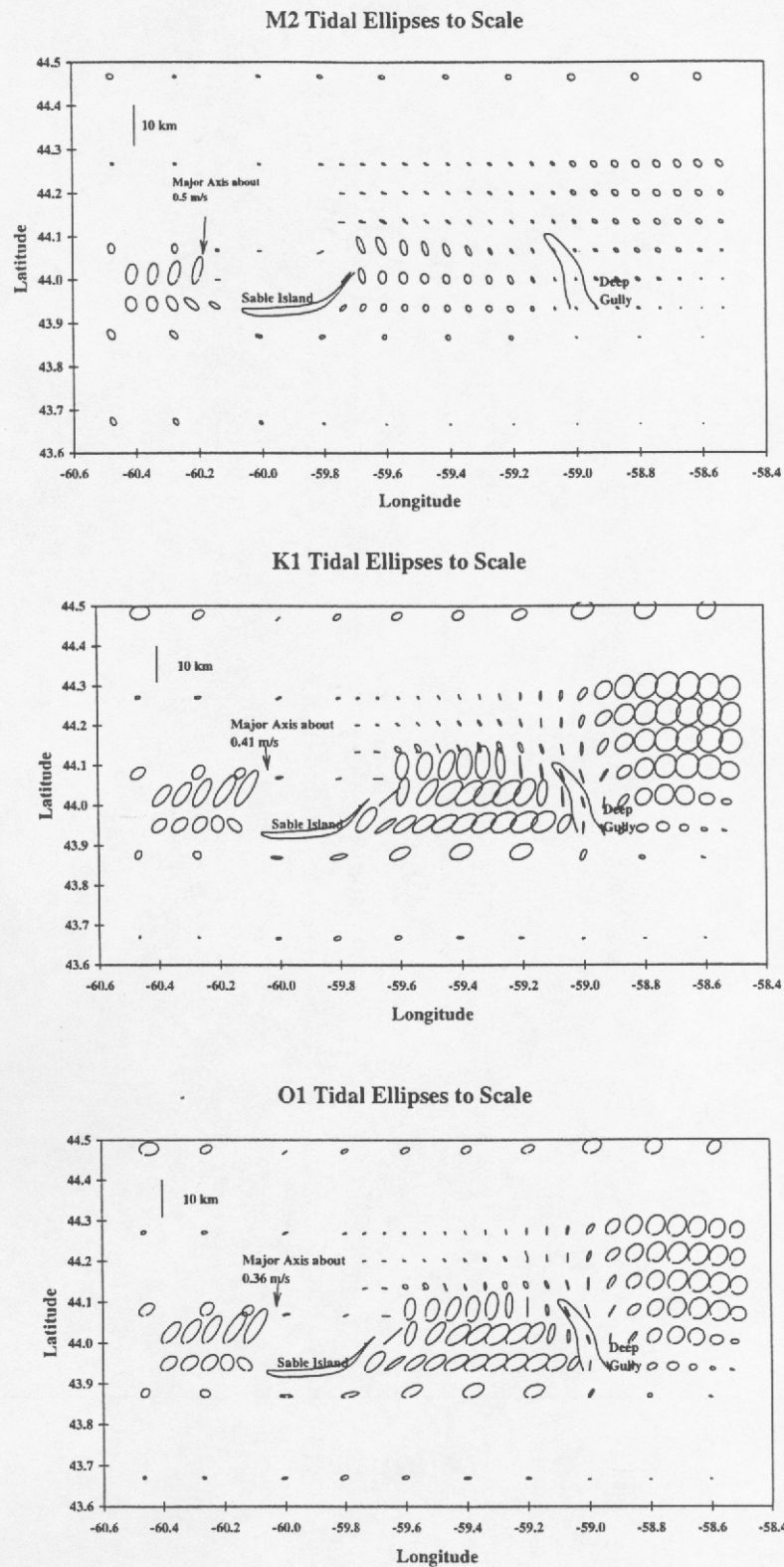


Fig. 6.1.10. Semidiurnal and diurnal tidal ellipses for the Gully-Sable Island area.

M2 Non-linear Residual Flow

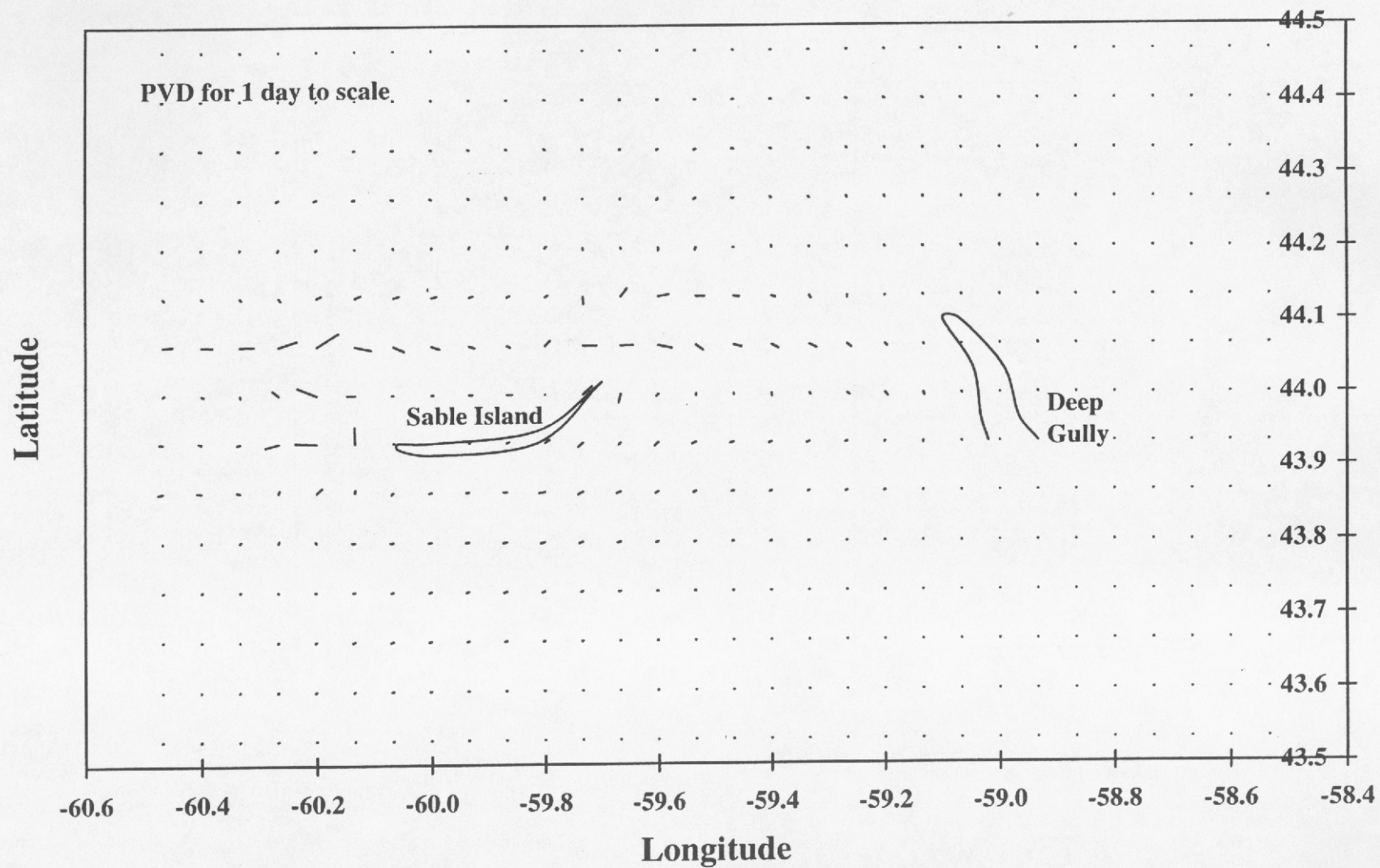


Fig. 6.1.11. Residual currents generated by non-linear interactions of the M2 tide.

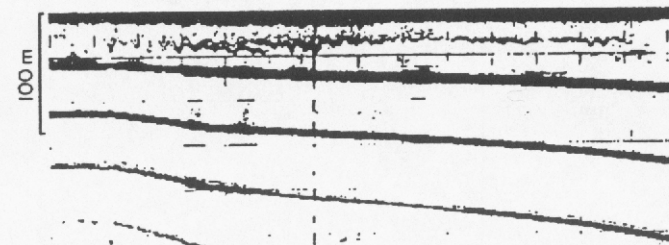
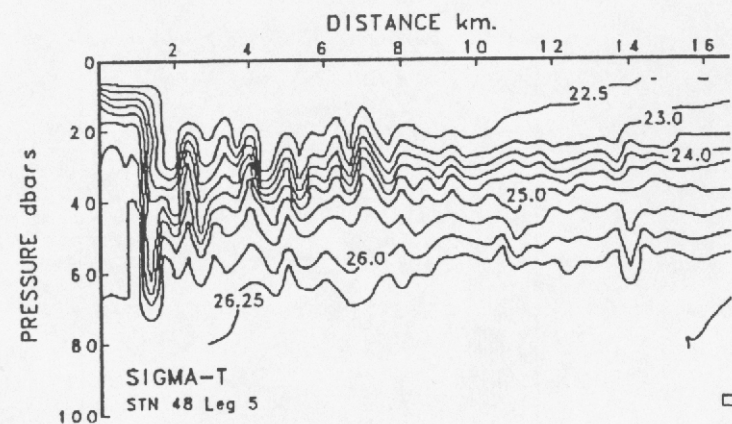
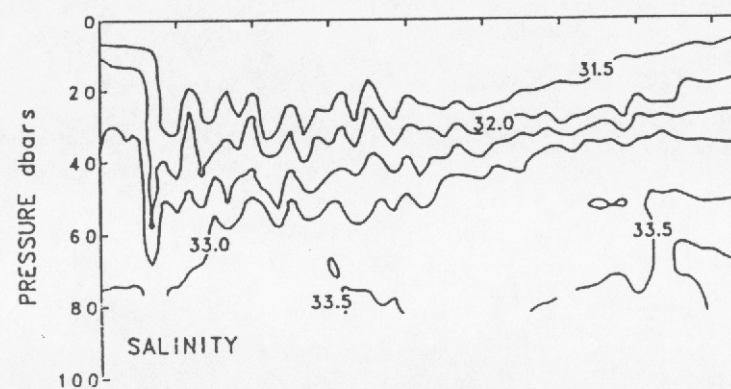
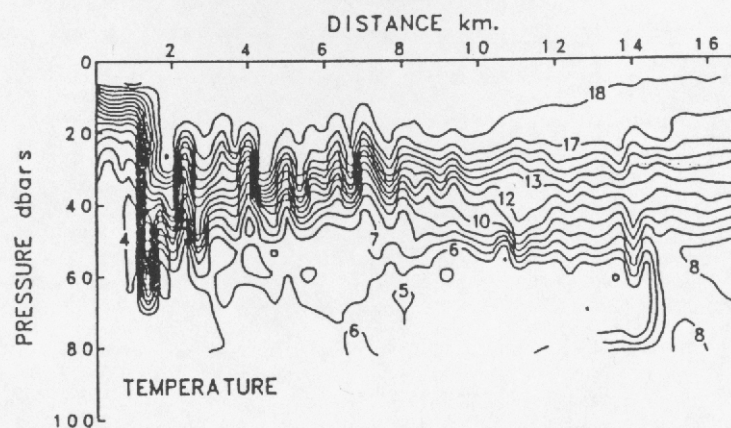


Fig. 6.1.12. Temperature, salinity, density and echo-sounder sections from the eastern flank of the mouth of the Gully (from Sandstrom and Elliot, 1989).

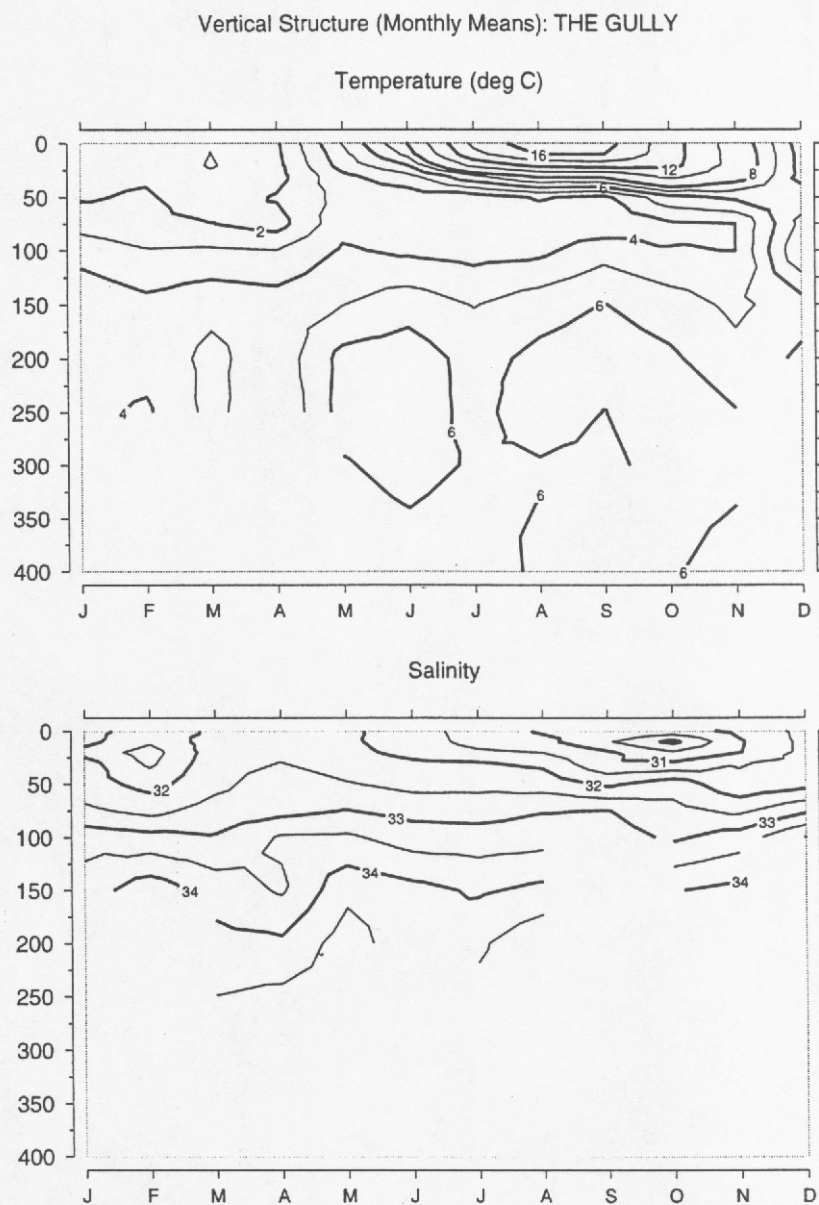


Fig. 6.1.13, Monthly average temperature and salinity for the Gully.

Statistics: THE GULLY

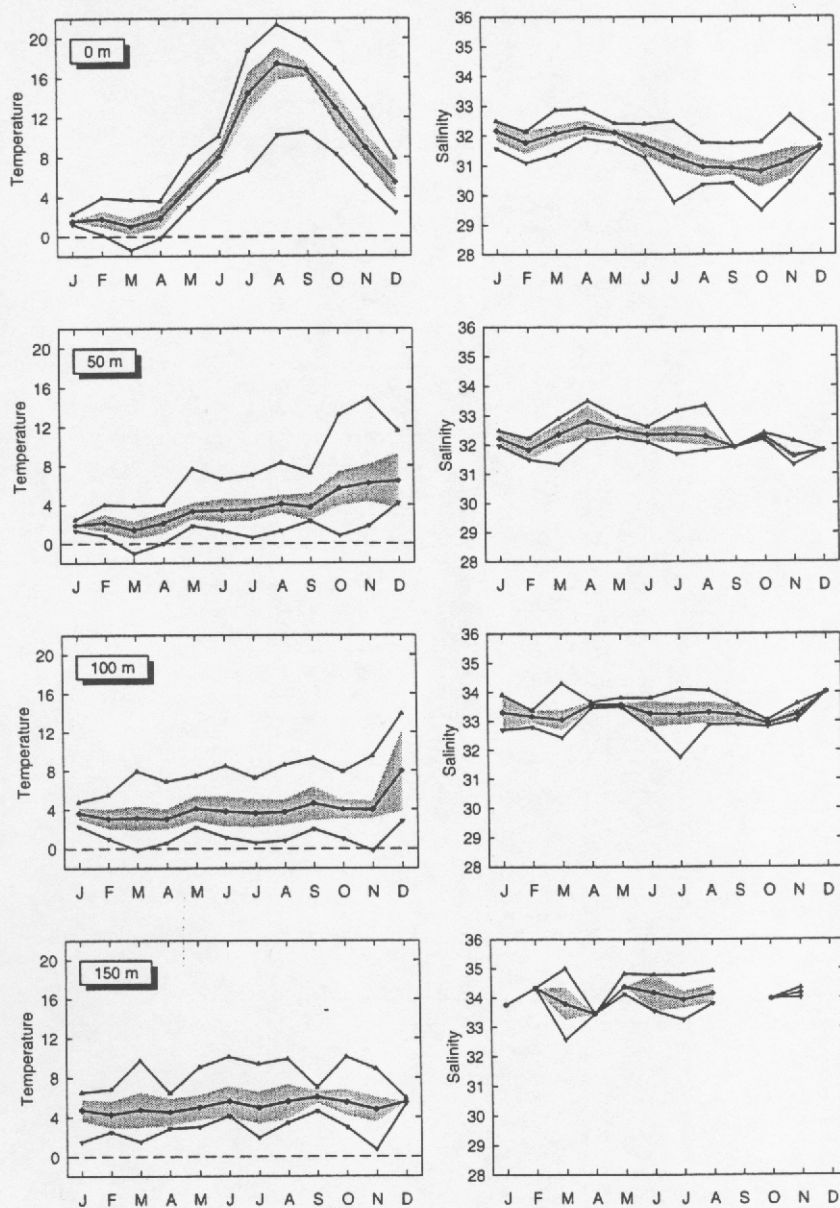


Fig. 6.1.14. Temperature and salinity statistics for selected depths in the Gully. The centre line represents the mean, the shaded ± 1 standard deviation, and the outer lines represent the extremes.

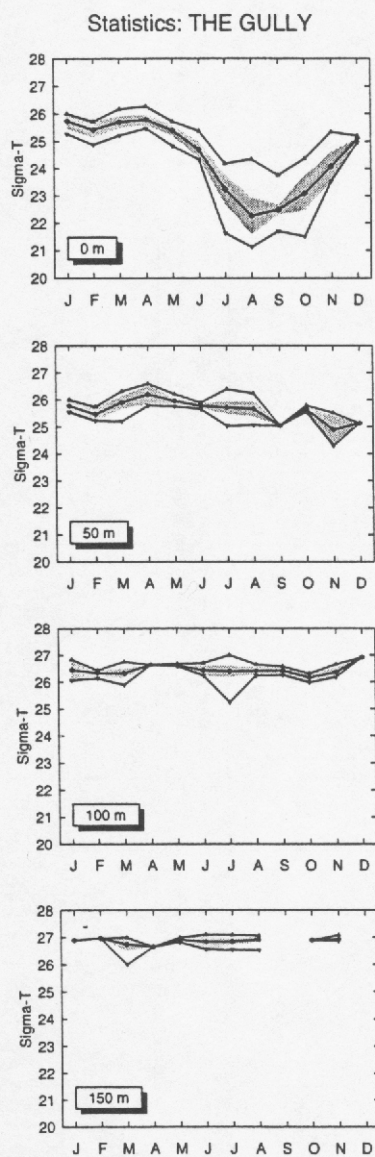


Fig. 6.1.15. Sigma-t statistics for selected depths in the Gully. The centre line represents the mean, the shaded ± 1 standard deviation, and the outer lines represent the extremes.

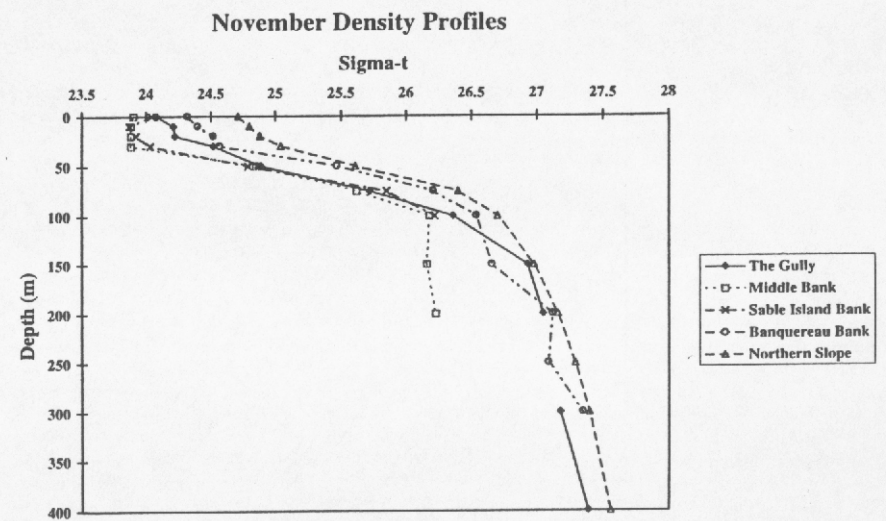
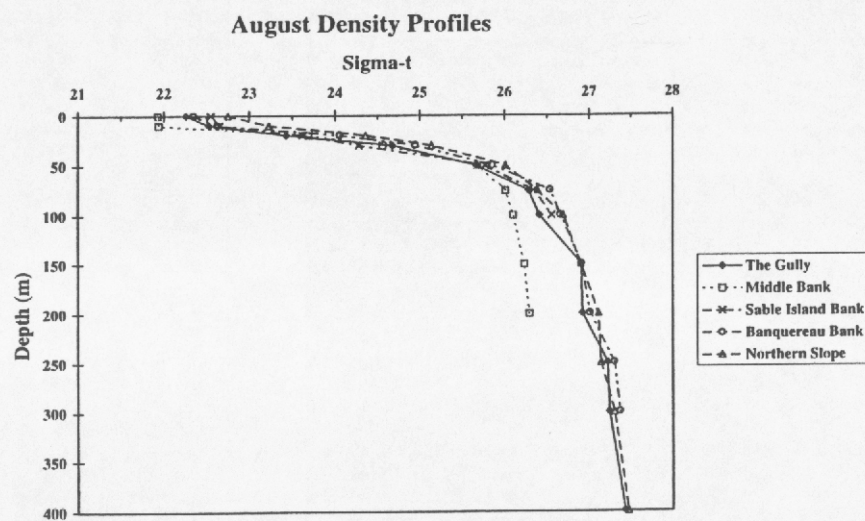
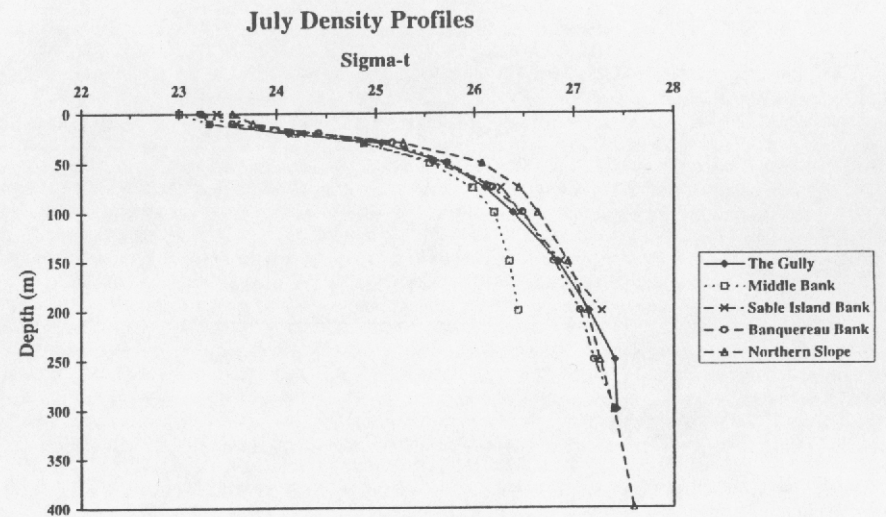
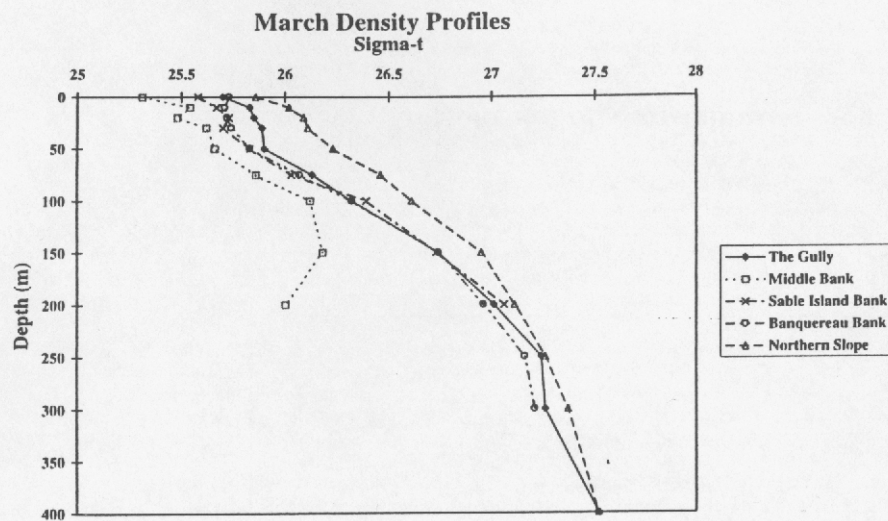


Fig. 6.1.16. Long-term average monthly density profiles from the Gully and four surrounding areas.

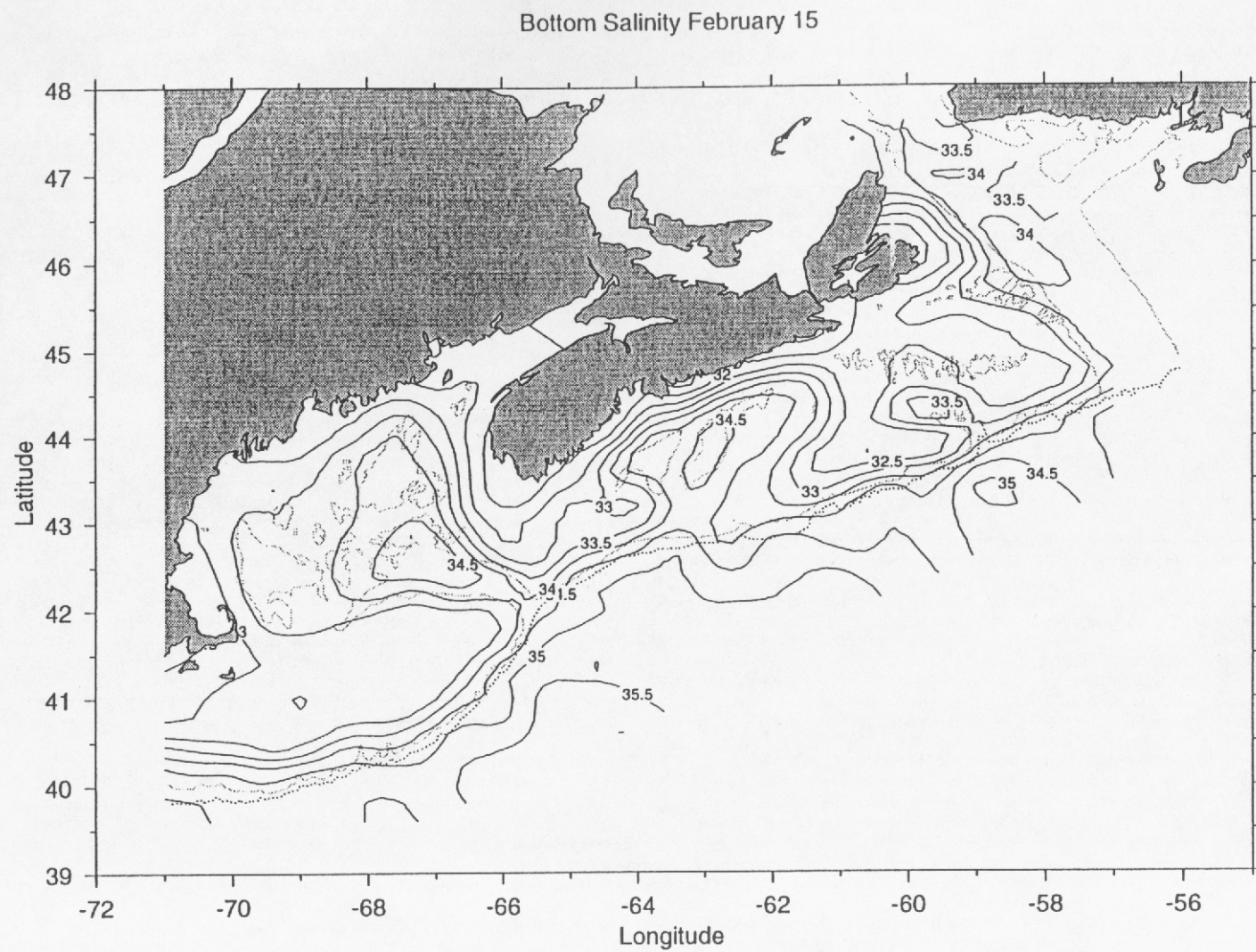


Fig. 6.1.17. Bottom salinity distribution for the Scotian Shelf (Petrie et al. 1996).

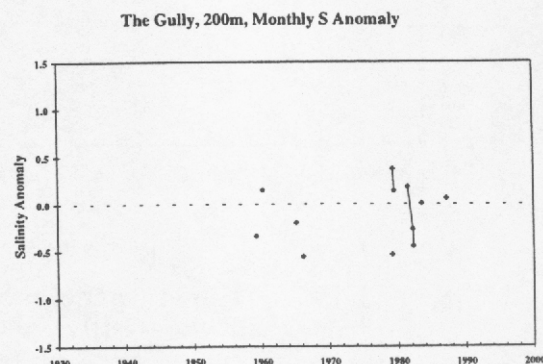
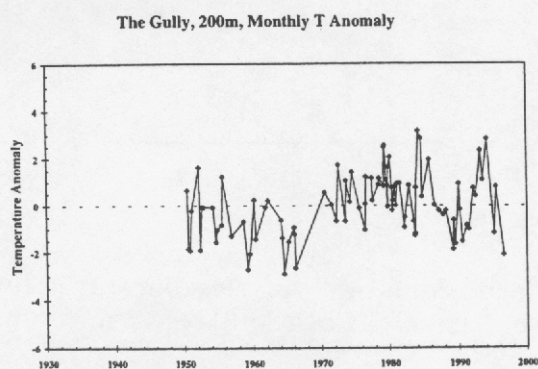
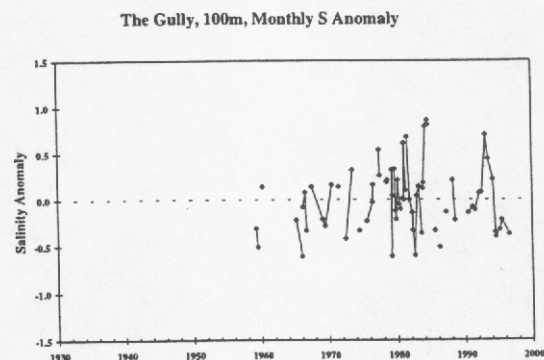
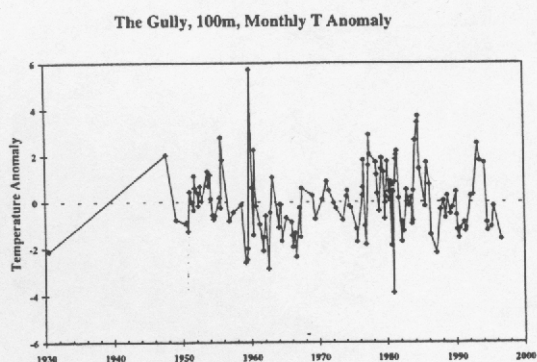
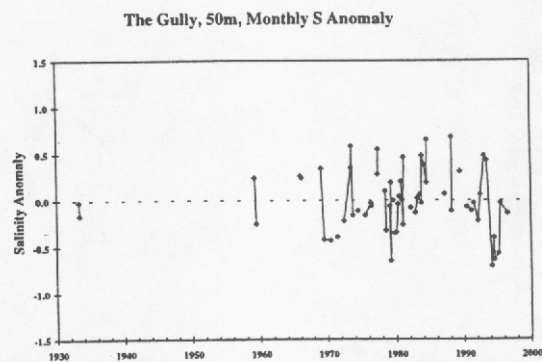
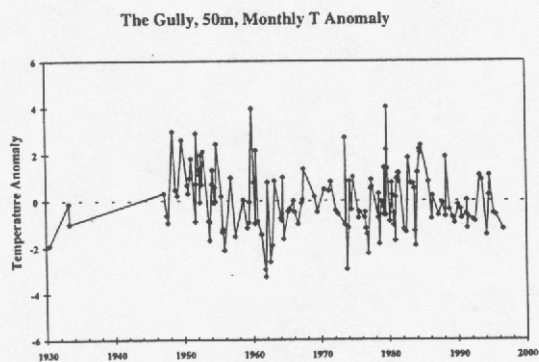
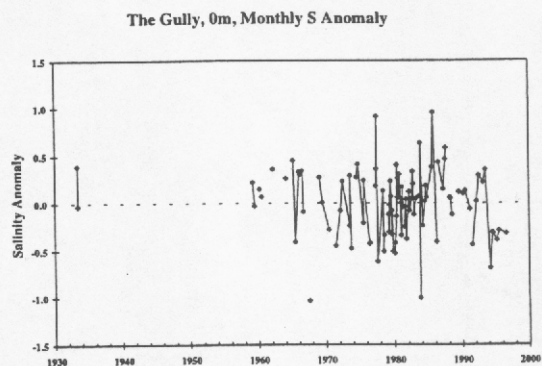
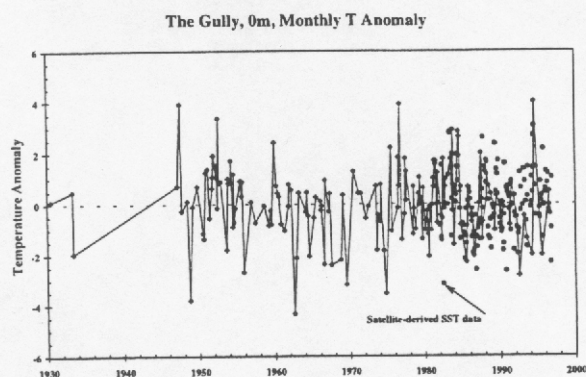
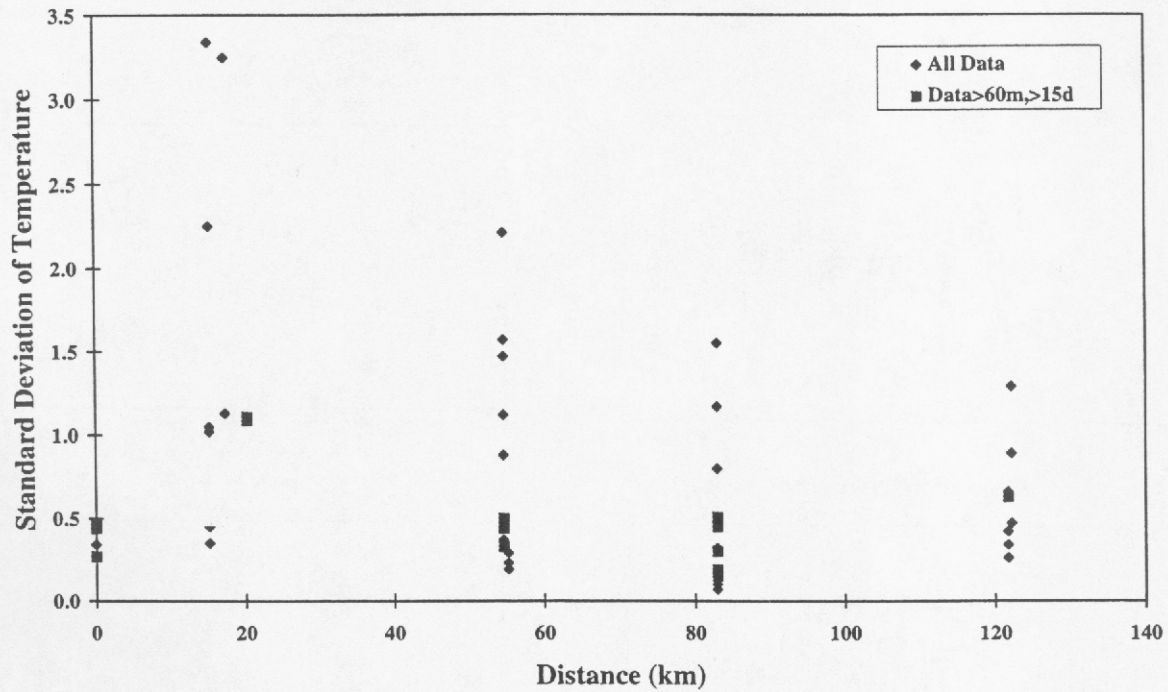


Fig. 6.1.18. Monthly temperature and salinity anomalies for the Gully.

Temperature Variability along The Gully Axis



Position of Moorings

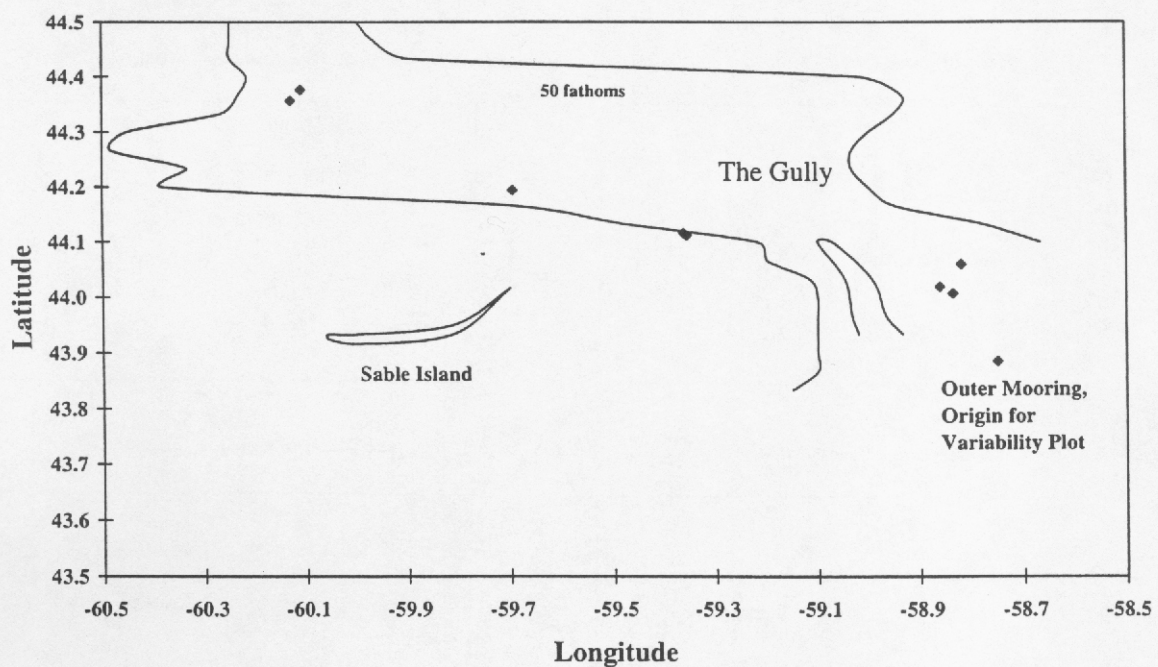


Fig. 6.1.19. (Upper panel) Standard deviation of temperature for all records in the Gully. (Lower panel) Locations of the moorings where the data were collected.

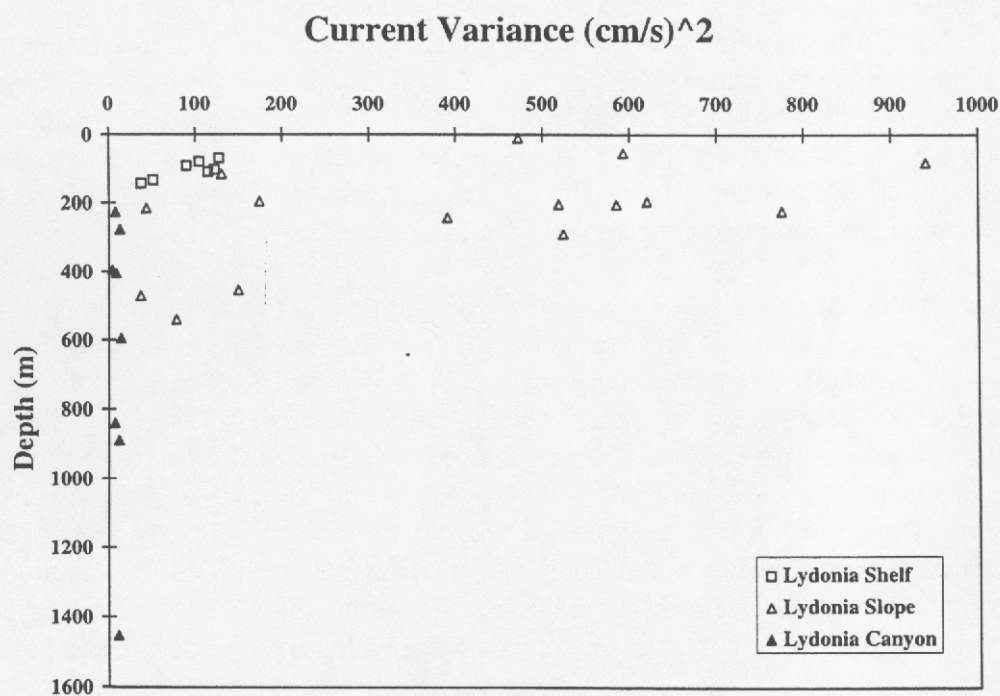
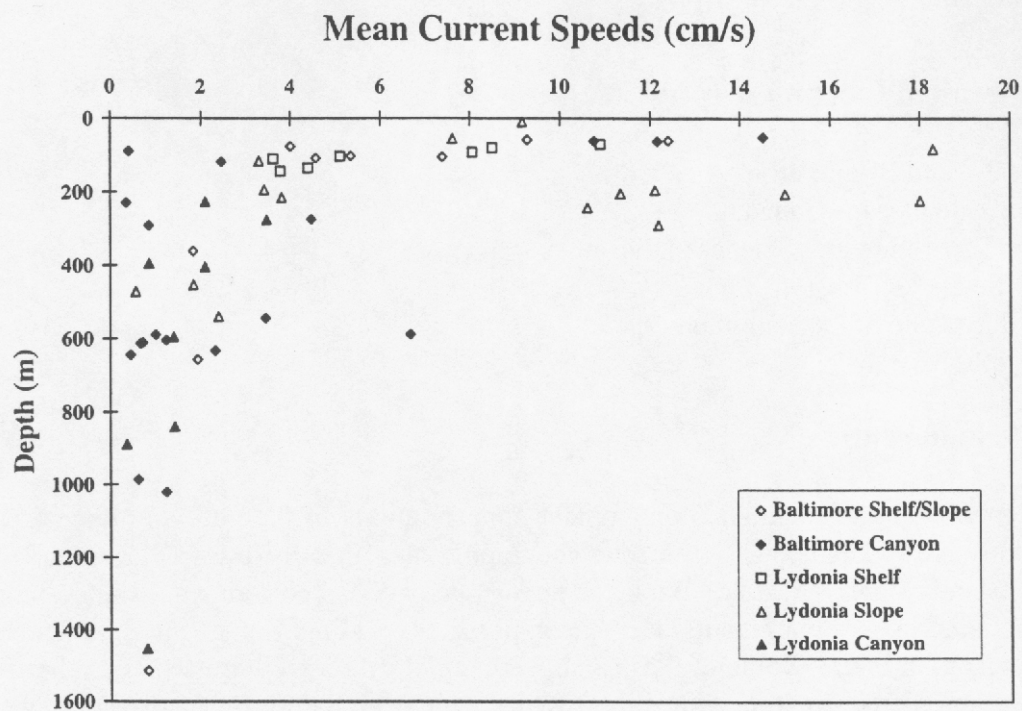


Fig. 6.1.20. Vertical profiles of the mean current speeds and current variance from Baltimore and Lydonia Canyon regions.