



TEXT-FIG. 4.—The density of *A. crenata* per square metre at the head of Hoopers Inlet. The grid used for sampling is marked alphabetically and mean low tidal level marked by a broken line.

spring high, to 4ft 9in as average neap high, with an average mean high of 6ft 3in. Generally speaking, the sandy and muddy basin of Hoopers Inlet becomes covered and exposed twice every day, with wind conditions shortening or lengthening the time of coverage and exposure. A strong northerly blowing down the inlet impedes the movement of water into the inlet so that even at the highest tides the sand at the head of the inlet may only just be covered, whilst a strong southerly tends to hold the water in the inlet so that very little of the bottom