

FIG. 2.—Profile of Transect I on 12.5.65 in relation to special datum (see text) and distance from observed low water; with distribution of macrofauna. Stations are numbered and those encircled were sampled for substratum texture. "H.W." and "L.W." show positions of observed High and Low Water. Flotsam was scanty and desiccated and its lower limit was at Station 12. Sparse *Cotula* and grass were present between Stations 14 and 15.

The macrofauna is apparently an upward and, in general, diminishing extension of certain infratidal species, mostly polychaetes. *Arabella*, *Axiothella*, *Orbinia* and *Scolecopides* have upper limits at 1 to 2ft above special datum: *Lumbrineris*, *Perinereis*, *Scoloplos* (only in Transect I), and *Callianassa* rise to about a foot higher than the previous group while *Abarenicola* and *Nerine* (together with a single specimen of *Nicon*) rise to 4 or 5ft above datum. It seems that species generally rise a foot higher on Transect I than on Transect II. *Aglaophamus*, the

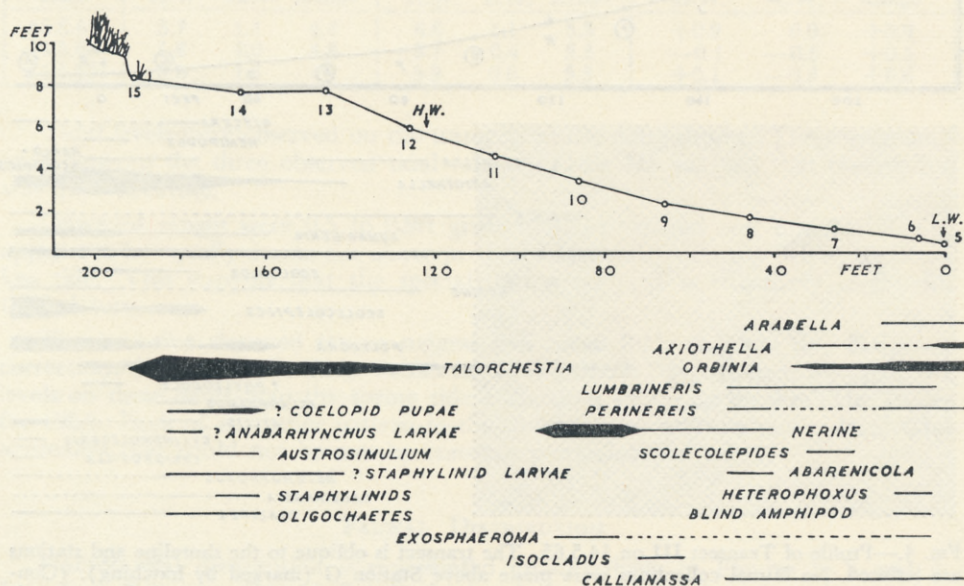


FIG. 3.—Profile of Transect II on 13.5.65 (conventions as Figure 2).