

established is *S. Townsendii*. Only in one patch is there a bunch of what may be *S. stricta*, if it is not the same as the special bunches in the main patch described farther on. This, however, has not so far been observed to flower.



FIG. 1. MAIN PATCH OF SPARTINA TOWNSENDII BECOMING UNCOVERED BY TIDE. PHOTO, MAY, 1924.

The short growth of the mounded portion is to be noted. *Juncus* had not at this date invaded the patch.



FIG. 2. MAIN PATCH OF SPARTINA, JANUARY, 1930.

Showing raising of level by accumulation of mud. Established clumps of *Juncus* on right.

[Photo by K. W. Dalrymple.]

On the occasion of Dr. Lotsy's visit I planted out on a piece of soft mud three small clumps taken from the centre of the large patch and representative of the short dense growth there shown. These clumps were placed in line near a shallow side drainage-channel at 3 ft. apart. Their places in the main patch were filled with luxuriant