

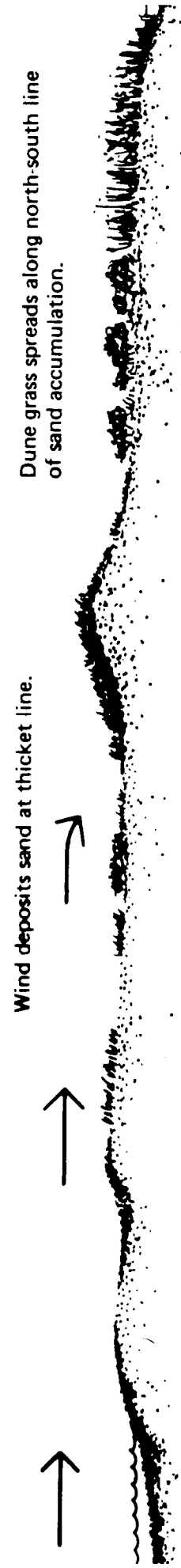
## Cross Sections of Barrier-Island Development

### Typical of Fire Island

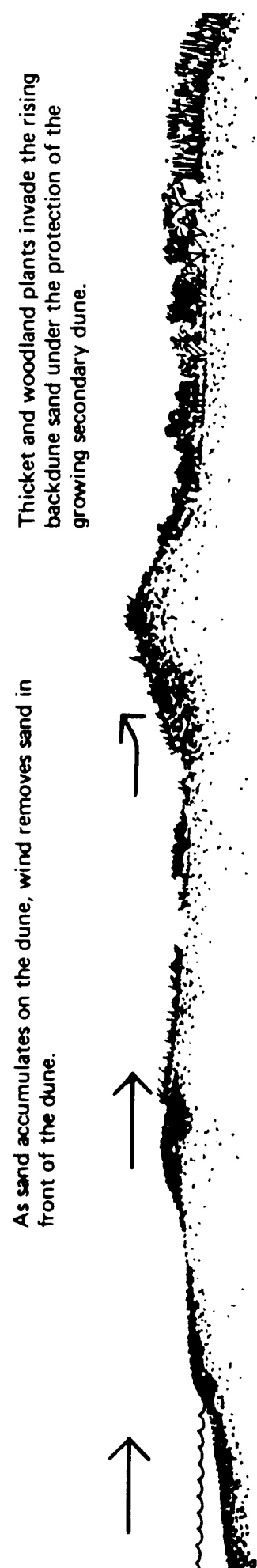
Figure 24.



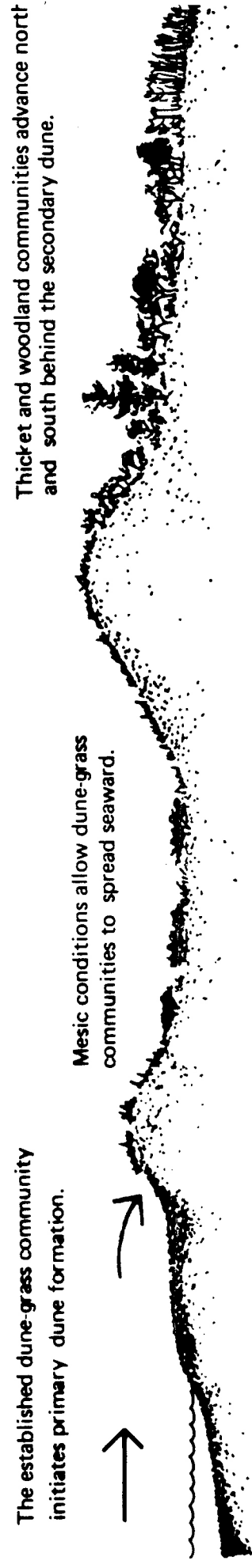
CROSS SECTION 1 A sandbar is created by deposition from large waves breaking offshore.



CROSS SECTION 2 Dune formation begins at the thicket line with deposition of windblown sand.



CROSS SECTION 3 Secondary dune formation begins as the dune-grass community is established. Sand is removed from front of the dune.



CROSS SECTION 4 The dune-grass community advances seaward to the high-tide line. Primary dune formation begins.



CROSS SECTION 5 The primary dune is established and the secondary dune is stabilized.

(Adapted from McHarg, 1969)