

the present land north of Lake Okeechobee had emerged from the sea, and the shore line stood only a few miles inland from the present coast, but all of the southern end of Florida was still under water. Currents sweeping southward past the end of the then peninsula shaped the oolitic ooze into a broad, slightly curving bar that reached almost to sea level. This old bar which now forms the eastern rim of the Everglades is the site of the cities of West Palm Beach, Fort Lauderdale, and Miami.

*Fauna*—Vaughan (1910, pp. 176, 177) lists 36 species of corals, mollusks, and echinoids from the oolitic limestone of Florida. All represent existing species. Shells are most abundant in the northern part of the Miami, the part transitional to the Anastasia formation, which is especially prolific in shells.

*Utilization*—Several large pits near Ojus and other places in the Miami area utilize the Miami oolite, which is dredged from below water level. According to Mossom (1925, p. 107) there is a large demand for the oolite for use as railroad ballast, for road construction and in making concrete. The harder parts are used as building stone.

#### LOCAL DETAILS

*Broward County*—The lateral transition from the Anastasia formation to the Miami oolite is visible on the Hillsborough Canal about 4 miles west of Deerfield. Here oolitic spherules are mingled with sand grains in variable proportions, and there are all facies of rock, from loose sand to hard sandstone and sandy limestone. Both the sandy and the oolitic facies contain many shells. Most of the shells retain traces of their original colors, and some of them are nearly as brilliantly colored as living shells.

About 6 feet of somewhat sandy oolitic limestone is exposed in a road-metal pit 4 miles west of Deerfield, about a quarter of a mile south of the Hillsborough Canal. The rock contains many shells. *Chione cancellata* is the most abundant species.

*Collier County*—A very thin layer of Miami oolite extends into the southeastern part of Collier County and covers the Tamiami formation.