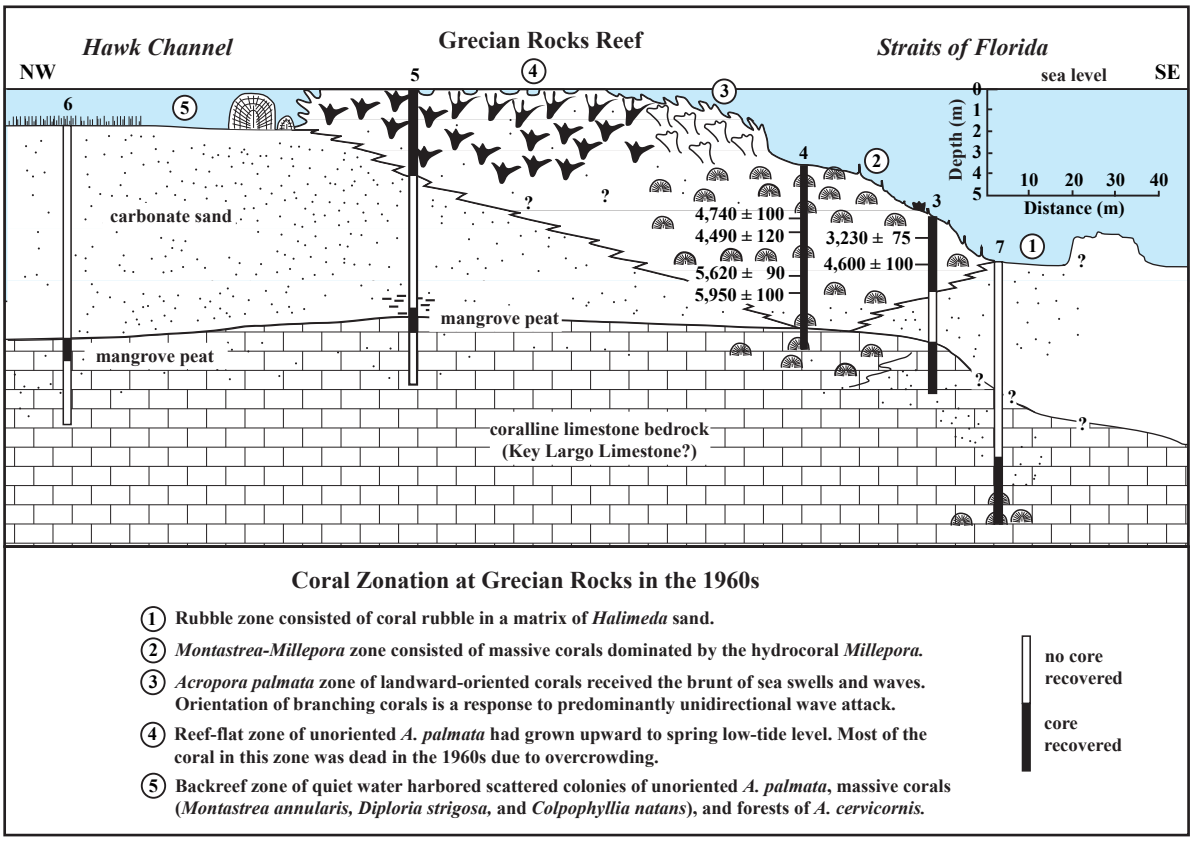

Coral Zonation at Grecian Rocks in the 1960s

1. Rubble zone consisted of coral rubble in a matrix of *Halimeda* sand.
2. *Montastrea-Millepora* zone consisted of massive corals dominated by the hydrocoral *Millepora.*
3. *Acropora palmata* zone of landward-oriented corals received the brunt of sea swells and waves. Orientation of branching corals is a response to predominantly unidirectional wave attack.
4. Reef-flat zone of unoriented *A. palmata* had grown upward to spring low-tide level. Most of the coral in this zone was dead in the 1960s due to overcrowding.
5. Backreef zone of quiet water harbored scattered colonies of unoriented *A. palmata*, massive corals (*Montastrea annularis, Diploria strigosa,* and *Colpophyllia natans*), and forests of *A. cervicornis.*

no core recovered

core recovered

Figure 32.