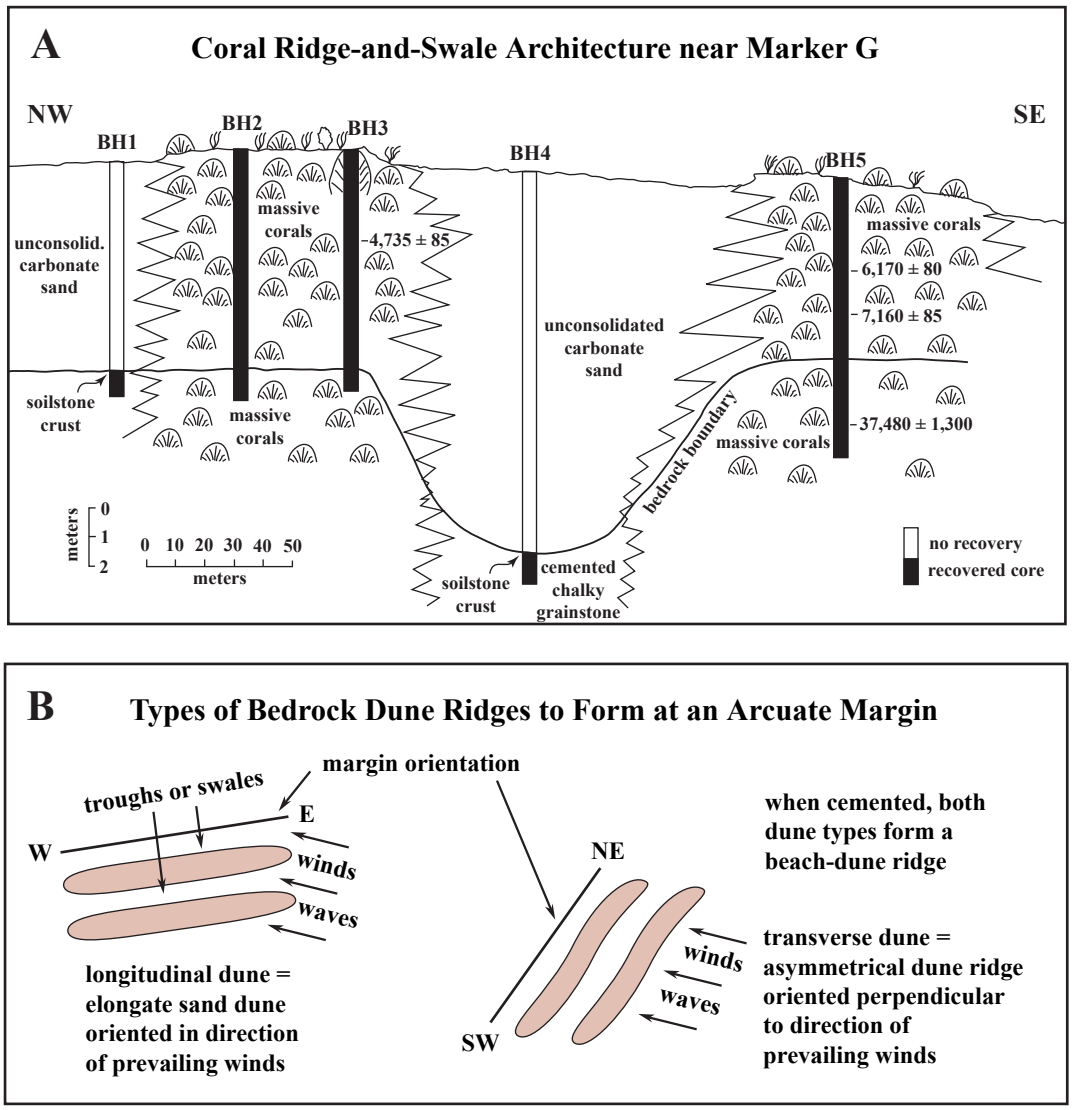
A
Coral Ridge-and-Swale Architecture near Marker G
NW
SE
BH1
BH2
BH3
BH4
BH5
unconsolid. carbonate sand
massive corals
~4,735 ± 85
soilstone crust
massive corals
unconsolidated carbonate sand
massive corals
~6,170 ± 80
~7,160 ± 85
bedrock boundary
~37,480 ± 1,300
massive corals
meters
0
1
2
0 10 20 30 40 50
meters
soilstone crust
cemented chalky grainstone
no recovery
recovered core
B
Types of Bedrock Dune Ridges to Form at an Arcuate Margin
troughs or swales
margin orientation
E
W
winds
waves
longitudinal dune = elongate sand dune oriented in direction of prevailing winds
NE
SW
winds
waves
when cemented, both dune types form a beach-dune ridge
transverse dune = asymmetrical dune ridge oriented perpendicular to direction of prevailing winds

Figure 79.