
VOLUSIA COUNTY

BEACH SAMPLE DESCRIPTIONS

Onshore Grab Samples for locations VO-01 through VO-57

Worked By: Michelle Ladle on March 2006

Reviewed and Edited by Michelle Ladle on May 2009

Beach Sample Location VO-01

VO-01-SS

Sand; Very Light Orange to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Very Coarse; Roundness: Angular to Sub-Angular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-40%, Heavy Minerals-<1%; Fossils: Fossil Fragments

VO-01-BB

Sand; Very Light Orange to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-35%, Heavy Minerals-03%; Fossils: Fossil Fragments

Beach Sample Location VO-02

VO-02-SS

Sand; Very Light Orange to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-40%, Heavy Minerals-<1%; Fossils: Fossil Fragments

VO-02-BB

Sand; White to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-03%; Fossils: Fossil Fragments

Beach Sample Location VO-03

VO-03-SS

Sand; White to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-25%, Heavy Minerals-01%; Fossils: Fossil Fragments

VO-03-BB

Sand; White to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-25%, Heavy Minerals-03%; Fossils: Fossil Fragments

Beach Sample Location VO-04

VO-04-SS

Sand; White to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-35%, Heavy Minerals-01%; Fossils: Fossil Fragments

VO-04-BB

Sand; White to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-30%, Heavy Minerals-05%; Fossils: Fossil Fragments

Beach Sample Location VO-05

VO-05-SS

Sand; White to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-35%, Heavy Minerals-01%; Fossils: Fossil Fragments

VO-05-BB

Sand; White to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-25%, Heavy Minerals-02%; Fossils: Fossil Fragments

Beach Sample Location VO-06

VO-06-SS

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-01%; Fossils: Fossil Fragments

VO-06-BB

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Angular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-01%; Fossils: Fossil Fragments

VO-07-SS

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Angular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-07%; Fossils: Fossil Fragments

VO-07-BB

Sand; White to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Angular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-35%, Heavy Minerals-05%

Beach Sample Location VO-08

VO-08-SS

Sand; White to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-35%, Heavy Minerals-01%; Fossils: Fossil Fragments

VO-08-BB

Sand; White to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-25%, Heavy Minerals-05%; Fossils: Fossil Fragments

Beach Sample Location VO-09

VO-09-SS

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Angular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-03%; Fossils: Fossil Fragments; Well-Sorted

VO-09-BB

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-02%; Fossils: Fossil Fragments

Beach Sample Location VO-10

VO-10-SS

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-04%; Fossils: Fossil Fragments

VO-10-BB

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-05%; Fossils: Fossil Fragments

Beach Sample Location VO-11

VO-11-SS

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-10%, Heavy Minerals-03%; Fossils: Fossil Fragments

VO-11-BB

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-07%, Heavy Minerals-07%; Fossils: Fossil Fragments; Well-Sorted

Beach Sample Location VO-12

VO-12-SS

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-10%, Heavy Minerals-05%; Fossils: Fossil Fragments

VO-12-BB

Sand; Light Olive Gray to Dark Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-30%, Shell-10%; Fossils: Fossil Fragments

Beach Sample Location VO-13

VO-13-SS

Sand; White to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-10%, Shell-05%; Fossils: Fossil Fragments; Well-Sorted

VO-13-BB

Sand; White to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Angular; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-07%, Shell-05%; Fossils: Fossil Fragments

Beach Sample Location VO-14

VO-14-SS

Sand; White to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Angular; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-05%, Shell-04%; Fossils: Fossil Fragments

VO-14-BB

Sand; White to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Angular; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-10%, Shell-08%; Fossils: Fossil Fragments

Beach Sample Location VO-15

VO-15-SS

Sand; White to Very Light Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-04%, Shell-05%; Fossils: Fossil Fragments

VO-15-BB

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-20%, Shell-10%; Fossils: Fossil Fragments

Beach Sample Location VO-16

VO-16-SS

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-10%, Heavy Minerals-03%; Fossils: Fossil Fragments

VO-16-BB

Sand; White to Grayish Brown; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Angular; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-30%, Shell-07%; Fossils: Fossil Fragments

Beach Sample Location VO-17

VO-17-SS

Sand; White to Very Light Orange; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-10%, Shell-02%; Fossils: Fossil Fragments

VO-17-BB

Sand; White to Grayish Brown; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-15%, Shell-03%; Fossils: Fossil Fragments

Beach Sample Location VO-18

VO-18-SS

Sand; White to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Angular; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-07%, Shell-03%; Fossils: Fossil Fragments

VO-18-BB

Sand; White to Grayish Brown; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-15%, Shell-04%; Fossils: Fossil Fragments

Beach Sample Location VO-19

VO-19-SS

Sand; White to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-05%, Heavy Minerals-05%; Fossils: Fossil Fragments

VO-19-BB

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-10%; Fossils: Fossil Fragments

Beach Sample Location VO-20

VO-20-SS

Sand; White to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-03%, Shell-02%; Fossils: Fossil Fragments

VO-20-BB

Sand; White to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-03%, Shell-02%; Fossils: Fossil Fragments

Beach Sample Location VO-21

VO-21-SS

Sand; White to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Angular; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-03%, Shell-01%; Fossils: Fossil Fragments

VO-21-BB

Sand; White to Very Light Orange; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-07%, Shell-05%; Fossils: Fossil Fragments

Beach Sample Location VO-22

VO-22-SS

Sand; White to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-03%, Heavy Minerals-04%; Fossils: Mollusks, Fossil Fragments

VO-22-BB

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-10%, Heavy Minerals-05%; Fossils: Fossil Fragments

Beach Sample Location VO-23

VO-23-SS

Sand; White to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-08%, Shell-03%; Fossils: Fossil Fragments

VO-23-BB

Sand; White to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-10%, Shell-07%; Fossils: Fossil Fragments

Beach Sample Location VO-24

VO-24-SS

Sand; Very Light Gray to Moderate Light Gray; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-20%, Shell-03%; Fossils: Fossil Fragments; Well-Sorted

VO-24-BB

Sand; White to Very Light Gray; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-10%, Shell-03%; Fossils: Fossil Fragments; Well-Sorted

Beach Sample Location VO-25

VO-25

Sand; White to Very Light Gray; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-03%, Shell-03%; Fossils: Fossil Fragments

Beach Sample Location VO-26

VO-26-SS

Sand; White to Very Light Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-06%, Shell-03%; Fossils: Fossil Fragments

VO-26-BB

Sand; White to Very Light Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-05%, Shell-02%; Fossils: Fossil Fragments

Beach Sample Location VO-27

VO-27-SS

Sand; White to Very Light Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-10%, Shell-02%; Fossils: Fossil Fragments

VO-27-BB

Sand; White to Very Light Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-10%, Shell-04%; Fossils: Fossil Fragments

Beach Sample Location VO-28

VO-28-SS

Sand; White to Yellowish Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-07%, Shell-02%; Fossils: Fossil Fragments

VO-28-BB

Sand; Yellowish Gray to Grayish Orange; Grain Size: Medium; Range: Very Fine to Very Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-25%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Benthic Foraminifera

Beach Sample Location VO-29

VO-29-SS

Sand; White to Light Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-30%, Shell-03%; Fossils: Fossil Fragments

VO-29-BB

Sand; White to Yellowish Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-04%, Shell-03%, Organics-<1%; Fossils: Fossil Fragments, Plant Remains

Beach Sample Location VO-

VO-30-SS

Sand; White to Yellowish Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-05%, Shell-03%; Fossils: Fossil Fragments

VO-30-BB

Sand; White to Grayish Orange; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-03%, Shell-02%, Organics-01%, Silt-<1%; Fossils: Fossil Fragments, Plant Remains

VO-31-SS

Sand; White to Yellowish Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-04%, Shell-03%; Fossils: Fossil Fragments

VO-31-BB

Sand; White to Very Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-03%, Shell-02%, Organics-01%; Fossils: Fossil Fragments, Plant Remains

Beach Sample Location VO-32

VO-32-SS

Sand; White to Very Light Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-04%, Shell-01%; Fossils: Fossil Fragments

VO-32-BB

Sand; White to Very Light Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-05%, Shell-03%, Organics-<1%; Fossils: Fossil Fragments, Plant Remains

Beach Sample Location VO-33

VO-33

Sand; White to Very Light Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-05%, Shell-03%, Organics-<1%; Fossils: Fossil Fragments, Plant Remains

Beach Sample Location VO-34

No Samples Recovered

Beach Sample Location VO-35

VO-35-SS

Sand; White to Light Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-10%, Shell-05%; Fossils: Fossil Fragments

VO-35-BB

Sand; White to Yellowish Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-08%, Shell-05%, Organics-<1%; Fossils: Fossil Fragments, Plant Remains

Beach Sample Location VO-36

VO-36

Sand; White to Very Light Gray; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-10%, Shell-05%; Fossils: Fossil Fragments

Beach Sample Location VO-37

No Samples Recovered

Beach Sample Location VO-38

VO-38-SS

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-10%, Shell-10%; Fossils: Fossil Fragments

VO-38-BB

Sand; White to Yellowish Gray; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-03%, Shell-05%; Fossils: Fossil Fragments

Beach Sample Location VO-39

VO-39-SS

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-40%, Heavy Minerals-01%; Fossils: Fossil Fragments

VO-39-BB

Sand; White to Grayish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-03%; Fossils: Fossil Fragments

Beach Sample Location VO-40

VO-40-SS

Shell Bed; Yellowish Gray to Moderate Yellowish Brown; Unconsolidated; Accessory Minerals: Quartz Sand-40%; Fossils: Fossil Fragments

VO-40-BB

Shell Bed; Yellowish Gray to Grayish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-25%; Fossils: Fossil Fragments, Bryozoa

Beach Sample Location VO-41

VO-41-SS

Shell Bed; Yellowish Gray to Grayish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-45%; Fossils: Fossil Fragments

VO-41-BB

Sand; Yellowish Gray to Grayish Orange; Grain Size: Medium; Range: Fine to Very Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-50%; Fossils: Fossil Fragments

Beach Sample Location VO-42

VO-42-SS

Shell Bed; Yellowish Gray to Dark Yellowish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-35%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Bryozoa

VO-42-BB

Sand; Yellowish Gray to Grayish Orange; Grain Size: Medium; Range: Medium to Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-48%, Heavy Minerals-<1%; Fossils: Fossil Fragments

Beach Sample Location VO-43

VO-43-SS

Sand; Yellowish Gray to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-48%; Fossils: Fossil Fragments

VO-43-BB

Sand; Yellowish Gray to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-45%; Fossils: Fossil Fragments

Beach Sample Location VO-44

VO-44-SS

Sand; Very Light Gray to Grayish Orange; Grain Size: Medium; Range: Fine to Very Coarse; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-48%, Heavy Minerals-<1%; Fossils: Fossil Fragments; Presence of Heavy Minerals Fused to Shell Fragments

VO-44-BB

Shell Bed; Very Light Gray to Grayish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-40%; Fossils: Fossil Fragments; Presence of Quartz Sand Grains Fused to Shell Fragments

Beach Sample Location VO-45

VO-45-SS

Sand; Yellowish Gray to Grayish Orange; Grain Size: Medium; Range: Fine to Granule; Roundness: Angular to Sub-Angular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-45%, Heavy Minerals-01%; Fossils: Fossil Fragments, Bryozoa

VO-45-BB

Sand; Yellowish Gray to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Very Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-48%, Heavy Minerals-<1%; Fossils: Fossil Fragments

Beach Sample Location VO-46

VO-46-SS

Shell Bed; Yellowish Gray to Dark Yellowish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-35%, Heavy Minerals-<1%; Fossils: Fossil Fragments

VO-46-BB

Shell Bed; Yellowish Gray to Dark Yellowish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-35%, Plant Remains-02%; Heavy Minerals-<1%; Fossils: Fossil Fragments, Bryozoa, Plant Remains

Beach Sample Location VO-47

VO-47-SS

Sand; Yellowish Gray to Grayish Orange; Grain Size: Medium; Range: Fine to Very Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-45%, Heavy Minerals-<1%; Fossils: Fossil Fragments

VO-47-BB

Sand; Yellowish Gray to Grayish Orange; Grain Size: Medium; Range: Fine to Very Coarse; Roundness: Angular to Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-48%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Miliolids

Beach Sample Location VO-48

VO-48-SS

Shell Bed; Yellowish Gray to Dark Yellowish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-40%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Echinoids, Benthic Foraminifera; Bi-Modal: Fine and V. Course Grained Sand

VO-48-BB

Shell Bed; Yellowish Gray to Dark Yellowish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-35%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Bryozoa; Bi-Modal: Fine and V. Course Grained Sand

Beach Sample Location VO-49

VO-49-SS

Shell Bed; Yellowish Gray to Dark Yellowish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-40%, Heavy Minerals-<1%; Fossils: Fossil Fragments

VO-49-BB

Sand; Yellowish Gray to Grayish Orange; Grain Size: Fine; Range: Fine to Granule; Roundness: Angular to Sub-Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-48%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks; Bi-Modal: Fine and V. Course Grained Sand

Beach Sample Location VO-50

VO-50-SS

Shell Bed; Yellowish Gray to Dark Yellowish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-45%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Bryozoa; Bi-Modal: Fine and V. Course Grained Sand

VO-50-BB

Sand; Yellowish Gray to Grayish Orange; Grain Size: Fine; Range: Fine to Very Coarse; Roundness: Angular to Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-45%, Heavy Minerals-<1%; Fossils: Fossil Fragments

Beach Sample Location VO-51

VO-51-SS

Shell Bed; Yellowish Gray to Dark Yellowish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-30%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Bryozoa

VO-51-BB

Sand; Yellowish Gray to Dark Yellowish Orange; Grain Size: Medium; Range: Fine to Very Coarse; Roundness: Angular to Sub-Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-40%, Heavy Minerals-<1%; Fossils: Fossil Fragments

Beach Sample Location VO-52

VO-52-SS

Shell Bed; Yellowish Gray to Grayish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-35%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Bryozoa; Bi-Modal: Fine and V. Course Grained Sand

VO-52-BB

Shell Bed; Yellowish Gray to Grayish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-45%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Bryozoa

Beach Sample Location VO-53

VO-53-SS

Shell Bed; Yellowish Gray to Grayish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-48%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Bryozoa

VO-53-BB

Shell Bed; Yellowish Gray to Grayish Orange; Unconsolidated;
Accessory Minerals: Quartz Sand-45%, Heavy Minerals-<1%;
Fossils: Fossil Fragments, Bryozoa

Beach Sample Location VO-54

VO-54-SS

Shell Bed; Very Light Gray to Grayish Orange; Unconsolidated;
Accessory Minerals: Quartz Sand-45%, Heavy Minerals-<1%;
Fossils: Fossil Fragments, Bryozoa

VO-54-BB

Shell Bed; Very Light Gray to Grayish Orange; Unconsolidated;
Accessory Minerals: Quartz Sand-40%, Heavy Minerals-<1%;
Fossils: Fossil Fragments, Bryozoa

Beach Sample Location VO-55

VO-55-SS

Shell Bed; Very Light Gray to Grayish Orange; Unconsolidated;
Accessory Minerals: Quartz Sand-45%, Heavy Minerals-<1%;
Fossils: Fossil Fragments; Sea Salt/Evaporite Present

VO-55-BB

Sand; Very Light Gray to Grayish Orange; Grain Size: Coarse;
Range: Fine to Very Coarse; Roundness: Angular to Rounded;
Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-
45%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks,
Bryozoa

Beach Sample Location VO-56

VO-56-SS

Sand; Very Light Gray to Grayish Orange; Grain Size: Coarse;
Range: Fine to Very Coarse; Roundness: Angular to Sub-
Rounded; Low Sphericity; Unconsolidated; Accessory Minerals:
Shell-40%, Heavy Minerals-<1%; Fossils: Fossil Fragments,
Bryozoa

VO-56-BB

Sand; Very Light Gray to Grayish Orange; Grain Size: Coarse;
Range: Fine to Very Coarse; Roundness: Angular to Sub-
Rounded; Low Sphericity; Unconsolidated; Accessory Minerals:
Shell-48%, Heavy Minerals-<1%; Fossils: Fossil Fragments,
Bryozoa; Bi-Modal: Medium & Course Grained Sand

Beach Sample Location VO-57

VO-57-SS

Sand; Very Light Gray to Grayish Orange; Grain Size: Medium;
Range: Fine to Very Coarse; Roundness: Angular to Sub-
Rounded; Low Sphericity; Unconsolidated; Accessory Minerals:
Shell-45%, Heavy Minerals-<1%; Fossils: Fossil Fragments,
Bryozoa, Mollusks

VO-57-BB

Sand; Very Light Gray to Grayish Orange; Grain Size: Medium;
Range: Fine to Very Coarse; Roundness: Angular to Sub-
Rounded; Medium Sphericity; Unconsolidated; Accessory
Minerals: Shell-40%, Heavy Minerals-<1%; Fossils: Fossil
Fragments, Bryozoa