
COLLIER COUNTY

BEACH SAMPLE DESCRIPTIONS

Worked By: Michelle Ladle

Beach Samples CR-01-SS to CR-47

Samples Described 5/13/2010 through 6/23/2010

Beach Sample Location CR-01

CR-01-SS

Sand; Very Light Orange to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-35%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

CR-01-BB

Sand; Very Light Gray to Very Light Orange; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-30%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location CR-02

CR-02

Sand; Very Light Orange to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-40%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Sharks Teeth;

Beach Sample Location CR-03

CR-03-SS

Shell Bed; Very Light Orange to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-20%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles;

CR-03-BB

Shell Bed; Very Light Orange to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-45%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa;

Beach Sample Location CR-05

CR-05-SS

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

CR-05-BB

Sand; Very Light Orange to Very Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-03%, Heavy Minerals-02%; Fossils: Fossil Fragments, Benthic Foraminifera; Asterigerina sp.

Beach Sample Location CR-06

CR-06-SS

Shell Bed; Very Light Orange to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-20%; Fossils: Fossil Fragments, Mollusks, Barnacles, Coral, Bryozoa; Archais angulatus

CR-06-BB

Sand; Very Light Orange to Moderate Light Gray; Grain Size: Medium; Range: Very Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-20%; Fossils: Fossil Fragments, Mollusks, Echinoid, Bryozoa, Benthic Foraminifera; Archais angulatus

Beach Sample Location CR-07

CR-07-SS

Sand; Very Light Orange to Light Gray; Grain Size: Medium; Range: Very Fine to Course; Roundness: Angular to Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-20%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Plant Remains, Benthic Foraminifera, Benthic Foraminifera; Archais angulatus

CR-07-BB

Shell Bed; Very Light Orange to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-35%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

Beach Sample Location CR-08

CR-08-SS

Shell Bed; Very Light Orange to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-30%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles;

CR-08-BB

Sand; Very Light Orange to Light Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-20%; Fossils: Fossil Fragments, Mollusks, Benthic Foraminifera; Archais angulatus

Beach Sample Location CR-09

CR-09-SS

Sand; Very Light Orange to Light Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-05%, Heavy Minerals-01%; Fossils: Fossil Fragments;

CR-09-BB

Sand; Very Light Orange to Moderate Light Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-45%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Bryozoa; Archais angulatus

Beach Sample Location CR-10

CR-10-SS

Sand; Very Light Orange to Moderate Light Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-45%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa; Archais angulatus

CR-10-BB

Sand; Very Light Orange to Moderate Light Gray; Grain Size: Medium; Range: Fine to Very Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-50%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

Beach Sample Location CR-11

CR-11-SS

Sand; Yellowish Gray to Very Light Orange; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-10%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa, Echinoid;

CR-11-BB

Sand; Yellowish Gray to Very Light Orange; Grain Size: Medium; Range: Fine to Very Course; Roundness: Angular to Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-<1%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa;

Beach Sample Location CR-12

CR-12-SS

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Medium; Range: Fine to Very Course; Roundness: Angular to Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-50%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa;

CR-12-BB

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Course; Range: Fine to Very Course; Roundness: Angular to Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-20%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid; Archais sp. (weathered)

Beach Sample Location CR-13

CR-13-SS

Shell Bed; Very Light Orange to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-15%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa; Archais angulatus

CR-13-BB

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Course; Range: Fine to Very Course; Roundness: Angular to Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-20%; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location CR-14

CR-14

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

Beach Sample Location CR-15

CR-15

Sand; Very Light Orange to Moderate Light Gray; Grain Size: Course; Range: Medium to Very Course; Roundness: Angular to Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-30%; Other Features: Weathered; Fossils: Fossil Fragments, Benthic Foraminifera; Archais angulatus

Beach Sample Location CR-16

CR-16-SS

Sand; Very Light Orange to Moderate Light Gray; Grain Size: Course; Range: Medium to Very Course; Roundness: Angular to Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-25%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Benthic Foraminifera; Archais angulatus

CR-16-BB

Sand; Very Light Orange to Light Gray; Grain Size: Medium; Range: Fine to Very Course; Roundness: Angular to Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-15%; Other Features: Weathered; Fossils: Fossil Fragments, Echinoid, Mollusks;

Beach Sample Location CR-17

CR-17-SS

Sand; Very Light Orange to Moderate Light Gray; Grain Size: Course; Range: Medium to Very Course; Roundness: Angular to Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-40%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Bryozoa, Echinoid; Archais angulatus

CR-17-BB

Sand; Very Light Orange to Very Light Gray; Grain Size: Medium; Range: Fine to Granule (2-4 mm); Roundness: Angular to Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-12%; Other Features: Weathered; Fossils: Fossil Fragments; Well-graded

Beach Sample Location CR-18

CR-18-SS

Sand; Very Light Orange to Very Light Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Rounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-20%; Fossils: Fossil Fragments, Mollusks, Echinoid, Barnacles;

CR-18-BB

Sand; Very Light Orange to Light Olive Gray; Grain Size: Course; Range: Medium to Very Course; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-15%; Other Features: Weathered; Fossils: Fossil Fragments;

Beach Sample Location CR-19

CR-19

Sand; Yellowish Gray to Light Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-01%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location CR-20

CR-20

Sand; Very Light Orange to Light Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-40%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Benthic Foraminifera; *Archais angulatus*

Beach Sample Location CR-21

CR-21

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Benthic Foraminifera; *Archais angulatus*

Beach Sample Location CR-22

CR-22

Sand; Very Light Gray to Yellowish Gray; Grain Size: Fine; Range: Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-15%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa, Echinoid; *Archais angulatus*

Beach Sample Location CR-23

CR-23

Sand; Very Light Orange to Very Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-15%; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location CR-24

CR-24

Sand; Very Light Orange to Light Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-40%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

Beach Sample Location CR-25

CR-25

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

Beach Sample Location CR-26

CR-26-SS

Shell Bed; Very Light Orange to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-40%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa;

CR-26-BB

Sand; Very Light Orange to Light Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-05%; Fossils: Fossil Fragments, Mollusks;

Beach Sample Location CR-27

CR-27

Sand; Very Light Orange to Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-20%; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location CR-28

CR-28

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-45%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Crustacea, Echinoid; Isopod present (*Cirolana* sp.)

Beach Sample Location CR-29

CR-29

Sand; Yellowish Gray to Light Gray; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-40%; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location CR-30

CR-30-SS

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

CR-30-BB

Sand; Very Light Gray to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-05%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location CR-31

CR-31

Sand; Very Light Gray to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-01%, Shell-<1%; Fossils: Fossil Fragments, Mollusks;

Beach Sample Location CR-32

CR-32

Sand; Very Light Orange to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-05%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks;

Beach Sample Location CR-33

CR-33

Sand; Very Light Orange; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accesory Minerals: Shell-03%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks;

Beach Sample Location CR-34

CR-34-SS

Shell Bed; Very Light Orange to Light Gray; Unconsolidated; Accesory Minerals: Quartz Sand-20%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa;

CR-34-BB

Sand; Very Light Orange to Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accesory Minerals: Shell-15%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

Beach Sample Location CR-35

CR-35

Shell Bed; Very Light Orange to Moderate Light Gray; Unconsolidated; Accesory Minerals: Quartz Sand-40%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Bryozoa;

Beach Sample Location CR-36

CR-36-SS

Shell Bed; Very Light Orange to Moderate Light Gray; Unconsolidated; Accesory Minerals: Quartz Sand-40%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

CR-36-BB

Sand; Very Light Orange to Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accesory Minerals: Shell-03%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks;

Beach Sample Location CR-37

CR-37-SS

Sand; Very Light Orange to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accesory Minerals: Shell-30%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles;

CR-37-MB

Sand; Very Light Gray to Very Light Orange; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accesory Minerals: Shell-03%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks;

CR-37-BB

Sand; Very Light Gray to Very Light Orange; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accesory Minerals: Shell-10%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location CR-38

CR-38-SS

Sand; Very Light Gray to Very Light Orange; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Accesory Minerals: Shell-05%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks;

CR-38-MB

Sand; Very Light Gray to Very Light Orange; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Accesory Minerals: Shell-35%; Fossils: Fossil Fragments, Mollusks, Barnacles;

CR-38-BB

Sand; Very Light Gray to Very Light Orange; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subangular; Low Sphericity; Accesory Minerals: Shell-40%, Calcilutite-02%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa;

Beach Sample Location CR-39

CR-39-SS

Shell Bed; Very Light Orange to Moderate Light Gray; Accesory Minerals: Quartz Sand-40%; Fossils: Fossil Fragments, Mollusks, Barnacles;

CR-39-BB

Sand; Very Light Orange to Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Low Sphericity; Accesory Minerals: Shell-45%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

Beach Sample Location CR-40

CR-40-SS

Sand; Very Light Orange to Light Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subangular; Low Sphericity; Accesory Minerals: Shell-35%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

CR-40-BB

Shell Bed; Very Light Orange to Moderate Light Gray; Accesory Minerals: Quartz Sand-25%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

Beach Sample Location CR-41

CR-41-SS

Sand; Very Light Orange to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Accesory Minerals: Shell-02%, Heavy Minerals-01%; Fossils: Fossil Fragments;

CR-41-BB

Sand; Very Light Gray to Very Light Orange; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Accesory Minerals: Shell-02%, Heavy Minerals-01%; Fossils: Fossil Fragments;

Beach Sample Location CR-43

CR-43-SS

Sand; Very Light Orange to Yellowish Gray; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Accesory Minerals: Shell-03%, Heavy Minerals-02%; Fossils: Fossil Fragments;

CR-43-MB

Sand; Very Light Orange to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Accesory Minerals: Shell-03%, Heavy Minerals-<1%; Fossils: Fossil Fragments;

CR-43-BB

Sand; Very Light Orange to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Accesory Minerals: Shell-02%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Plant Remains;

Beach Sample Location CR-46

CR-46

Sand; Very Light Orange to Moderate Light Gray; Grain Size: Medium; Range: Very Fine to Course; Roundness: Angular to Subangular; Low Sphericity; Accesory Minerals: Shell-25%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location CR-47

CR-47

Shell Bed; Very Light Orange to Moderate Light Gray; Accesory Minerals: Quartz Sand-10%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles;
