
SARASOTA COUNTY BEACH SAMPLE DESCRIPTIONS

Worked By: Michelle Ladle

Beach Samples SA-01-SS to SA-39

Samples Described 2/2/2010 through 2/22/2010

Beach Sample Location SA-01

SA-01-SS

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

SA-01-BB

Sand; White to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-07%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location SA-02

SA-02

Sand; Yellowish Gray to Moderate Gray; Grain Size: Medium; Range: Fine to Medium; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-35%; Other Features: Weathered; Fossils: Fossil Fragments;

Beach Sample Location SA-03

SA-03

Shell Bed; Yellowish Gray to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-25%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

Beach Sample Location SA-04

SA-04-SS

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-30%; Fossils: Fossil Fragments;

SA-04-MB

Sand; Yellowish Gray to Moderate Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-45%; Fossils: Fossil Fragments, Mollusks;

SA-04-BB

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

Beach Sample Location SA-05

SA-05-SS

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

SA-05-BB

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

Beach Sample Location SA-06

SA-06

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

Beach Sample Location SA-07

SA-07

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

Beach Sample Location SA-08

SA-08-SS

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

SA-08-MB

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

SA-08-BB

Sand; Very Light Orange to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-05%, Heavy Minerals-02%; Fossils: Fossil Fragments, Echinoid, Plant Remains;

Beach Sample Location SA-09

SA-09-SS

Sand; Yellowish Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-04%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Echinoid;

SA-09-MB

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-08%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles;

SA-09-BB

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

Beach Sample Location SA-10

SA-10-SS

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

SA-10-MB

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-30%, Heavy Minerals-01%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Bryozoa; Phosphatized Shell Fragments (~40%)

SA-10-BB

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-35%, Heavy Minerals-01%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location SA-12

SA-12-SS

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

SA-12-MB

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

SA-12-BB

Shell Bed; Very Light Gray to Very Light Orange; Unconsolidated; Accessory Minerals: Shell-02%, Heavy Minerals-02%; Fossils: Fossil Fragments;

Beach Sample Location SA-13

SA-13-SS

Sand; Very Light Gray to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-02%, Heavy Minerals-<1%; Fossils: Fossil Fragments;

SA-13-MB

Sand; Very Light Gray to Very Light Orange; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-03%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks; Percentage of shell Fragments from Larger Clam Shell in Sample

SA-13-BB

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

Beach Sample Location SA-14

SA-14-SS

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

SA-14-BB

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

Beach Sample Location SA-16

SA-16

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-25%; Other Features: Weathered; Fossils: Fossil Fragments; Phosphatized Shell Fragments; Shell: Subrounded Sand-Sized

Beach Sample Location SA-17

SA-17-SS

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-15%; Other Features: Weathered; Fossils: Fossil Fragments; Phosphatized Shell Fragments;

SA-17-BB

Shell Bed; Yellowish Gray to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-03%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Bryozoa, Plant Remains; Phosphatized Shell Fragments; Shells Sand-Sized

Beach Sample Location SA-18

SA-18-SS

Shell Bed; Very Light Orange to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-05%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles;

SA-18-BB

Shell Bed; Very Light Orange to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-08%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

Beach Sample Location SA-19

SA-19

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

Beach Sample Location SA-20

SA-20

Shell Bed; Very Light Orange to Light Brown; Unconsolidated; Accessory Minerals: Quartz Sand-03%; Fossils: Fossil Fragments, Mollusks, Barnacles; Large Shell Fragments; Phosphatized Bone/Tooth

Beach Sample Location SA-21

SA-21

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

Beach Sample Location SA-22

SA-22

Shell Bed; White to Grayish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-40%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location SA-23

SA-23-SS

Shell Bed; Yellowish Gray to Moderate Yellowish Brown; Unconsolidated; Accessory Minerals: Quartz Sand-25%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles;

SA-23-BB

Shell Bed; Yellowish Gray to Grayish Brown; Unconsolidated; Accessory Minerals: Quartz Sand-45%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location SA-24

SA-24-SS

Shell Bed; Yellowish Gray to Grayish Orange; Unconsolidated; Accessory Minerals: Quartz Sand-10%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles;

SA-24-BB

Sand; Yellowish Gray to Grayish Brown; Grain Size: Medium; Range: Very Fine to Very Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-45%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks;

Beach Sample Location SA-25

SA-25-SS

Shell Bed; Yellowish Gray to Grayish Brown; Unconsolidated; Accessory Minerals: Quartz Sand-40%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles;

SA-25-BB

Shell Bed; Yellowish Gray to Grayish Brown; Unconsolidated; Accessory Minerals: Quartz Sand-40%, Heavy Minerals-02%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

Beach Sample Location SA-26

SA-26-SS

Shell Bed; Yellowish Gray to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-35%; Fossils: Fossil Fragments, Bryozoa; Phosphatized Shell Fragments

SA-26-BB

Shell Bed; Yellowish Gray to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-05%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location SA-27

SA-27-SS

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-10%; Other Features: Weathered; Fossils: Fossil Fragments, Bryozoa, Echinoid, Benthic Foraminifera; Archais sp.

SA-27-MB

Sand; Very Light Orange to Light Gray; Grain Size: Medium; Range: Fine to Very Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-45%, Heavy Minerals-05%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Bryozoa;

SA-27-BB

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-05%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Bryozoa, Echinoid;

Beach Sample Location SA-28

SA-28

Sand; Yellowish Gray to Moderate Dark Gray; Grain Size: Course; Range: Fine to Very Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-40%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles;

Beach Sample Location SA-29

SA-29-SS

Sand; Yellowish Gray to Dark Gray; Grain Size: Course; Range: Fine to Very Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-45%, Heavy Minerals-02%; Other Features: Weathered; Fossils: Fossil Fragments; Phosphatized Shell Fragments (~40%)

SA-29-BB

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-20%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa, Plant Remains;

Beach Sample Location SA-30

SA-30

Shell Bed; Yellowish Gray to Dark Gray; Unconsolidated; Accessory Minerals: Quartz Sand-05%, Heavy Minerals-03%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa, Echinoid; Phosphatized Shell Fragments (~40%)

Beach Sample Location SA-31

SA-31

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-35%, Heavy Minerals-02%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

Beach Sample Location SA-32

SA-32-SS

Sand; Yellowish Gray to Moderate Dark Gray; Grain Size: Medium; Range: Fine to Very Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-25%, Heavy Minerals-15%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles; Heavies May Include Sand-Sized Phosphatized Shell Fragmts

SA-32-BB

Sand; Yellowish Gray to Moderate Dark Gray; Grain Size: Medium; Range: Fine to Very Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-35%; Other Features: Weathered; Fossils: Fossil Fragments; Heavies May Include Sand-Sized Phosphatized Shell Fragmts

Beach Sample Location SA-33

SA-33-SS

Sand; Yellowish Gray to Moderate Dark Gray; Grain Size: Medium; Range: Fine to Very Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-40%, Heavy Minerals-05%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid; Phosphatized Shell Fragments (~40%)

SA-33-BB

Sand; Yellowish Gray to Moderate Dark Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-25%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles; Heavies May Include Sand-Sized Phosphatized Shell Fragmts

Beach Sample Location SA-34

SA-34-SS

Shell Bed; Very Light Orange to Moderate Dark Gray; Unconsolidated; Accessory Minerals: Quartz Sand-10%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Sharks Teeth, Bryozoa;

SA-34-BB

Sand; Yellowish Gray to Moderate Dark Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-20%; Other Features: Weathered; Fossils: Fossil Fragments; Heavies May Include Sand-Sized Phosphatized Shell Fragmts

Beach Sample Location SA-35

SA-35-SS

Sand; Very Light Orange to Moderate Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-10%; Other Features: Weathered; Fossils: Fossil Fragments; Heavies May Include Sand-Sized Phosphatized Shell Fragmts

SA-35-BB

Sand; Very Light Orange to Moderate Dark Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-15%; Other Features: Weathered; Fossils: Fossil Fragments; Heavies Include Sand-Sized Phosphatized Shell Fragmts

Beach Sample Location SA-36

SA-36

Sand; Yellowish Gray to Moderate Dark Gray; Grain Size: Medium; Range: Fine to Very Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-45%, Heavy Minerals-03%; Fossils: Fossil Fragments, Mollusks, Barnacles, Sharks Teeth, Bryozoa; Phosphatized Shell Fragmts and Sharks Teeth

Beach Sample Location SA-37

SA-37

Sand; Yellowish Gray to Moderate Gray; Grain Size: Medium; Range: Very Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-25%, Heavy Minerals-15%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles; Heavies Include Sand-Sized Phosphatized Shell Fragmts

Beach Sample Location SA-38

SA-38

Shell Bed; Very Light Orange to Moderate Dark Gray; Unconsolidated; Accessory Minerals: Quartz Sand-30%, Heavy Minerals-01%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Sharks Teeth; Phosphatized Shell Fragmts and Sharks Teeth (difficult to identify due to weathering)

Beach Sample Location SA-39

SA-39

Sand; Very Light Orange to Moderate Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-25%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks;