
PINELLAS COUNTY

BEACH SAMPLE DESCRIPTIONS

Worked By: Michelle Ladle

Beach Samples PI-01 to PI-48-BB

Samples Described 12/15/2010 through 12/31/2010

Beach Sample Location PI-01

PI-01

Sand; Very Light Gray to Light Olive Gray; Grain Size: Fine; Range: Very Fine to Fine to Fine; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-03%, Shell-<1%; Includes ~2% Citrine

Beach Sample Location PI-02

PI-02-SS

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

PI-02-BB

Sand; White to Very Light Orange; Grain Size: Fine; Range: Very Fine to Fine; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-01%, Shell-<1%;

Beach Sample Location PI-03

PI-03-SS

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

Beach Sample Location PI-04

PI-04-SS

Sand; White to Very Light Orange; Grain Size: Fine; Range: Very Fine to Fine; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks;

PI-04-BB

Sand; White to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Fine; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Heavy Minerals-02%, Shell-01%;

Beach Sample Location PI-05

PI-05

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

Beach Sample Location PI-06

PI-06

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

Beach Sample Location PI-07

PI-07-SS

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

PI-07-BB

Sand; White to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Fine; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-04%, Heavy Minerals-01%; Fossils: Fossil Fragments, Benthic Foraminifera; Archaia sp.

Beach Sample Location PI-08

PI-08

Sand; White to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Fine; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-02%, Heavy Minerals-01%; Fossils: Fossil Fragments;

Beach Sample Location PI-09

PI-09-SS

Sand; White to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-05%, Heavy Minerals-03%; Fossils: Fossil Fragments, Mollusks, Barnacles, Plant Remains;

PI-09-BB

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

Beach Sample Location PI-10

PI-10-SS

Shell Bed; Yellowish Gray to Pinkish Gray; Unconsolidated; Accessory Minerals: Quartz Sand-20%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles, Benthic Foraminifera; Archaia sp.; Large amt of clam shells and a few gastropods present

PI-10-BB

Sand; White to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-05%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Barnacles, Benthic Foraminifera; Archaia sp.

Beach Sample Location PI-11

PI-11

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-10%, Heavy Minerals-03%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Benthic Foraminifera; Archaia sp.

Beach Sample Location PI-12

PI-12-SS

Shell Bed; Very Light Orange to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-05%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Benthic Foraminifera; Archaia sp.

PI-12-BB

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-10%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Barnacles, Benthic Foraminifera, Plant Remains; Archaia sp.

Beach Sample Location PI-13

PI-13-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-15%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles, Benthic Foraminifera; Archaia sp.

PI-13-BB

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-10%, Heavy Minerals-07%; Fossils: Fossil Fragments, Mollusks; Heavies may include phosphatized shell fragments.

Beach Sample Location PI-14

PI-14-SS

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

PI-14-MB

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

PI-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-07%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Plant Remains, Benthic Foraminifera;

Beach Sample Location PI-15

PI-15-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%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Miliolids, Benthic Foraminifera; Archaia sp.

PI-15-MB

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Barnacles, Benthic Foraminifera;

PI-15-BB

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

Beach Sample Location PI-17

PI-17-SS

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-10%; Fossils: Fossil Fragments, Mollusks, Barnacles; ~50% of shell frags are phosphatized

PI-17-MB

Shell Bed; Yellowish Gray to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-35%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Bryozoa;

PI-17-BB

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-45%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Bryozoa; Presence of quartz conglomerate: most likely the work of Bryozoa; Miliolids present

Beach Sample Location PI-18

PI-18-SS

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-35%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles; ~70% of shell frags are phosphatized

PI-18-MB

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%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Barnacles;

PI-18-BB

Sand; Yellowish Gray to Light Gray; Grain Size: Medium; Range: Very Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-35%, Heavy Minerals-05%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa, Benthic Foraminifera; Archaia sp.

Beach Sample Location PI-19

PI-19-SS

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-05%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles; ~60% of shell frags are phosphatized.

PI-19-BB

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-25%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Miliolids;

Beach Sample Location PI-20

PI-20-SS

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-45%, Heavy Minerals-01%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid; ~60% of shell frags are phosphatized.

PI-20-BB

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

Beach Sample Location PI-21

PI-21

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-40%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid; ~60% of shell frags are phosphatized.

Beach Sample Location PI-22

PI-22-SS

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

PI-22-BB

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

Beach Sample Location PI-23

PI-23-SS

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-40%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid; ~60% of shell frags are phosphatized.

PI-23-BB

Shell Bed; Yellowish Gray to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-45%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa; ~60% of shell frags are phosphatized. Sand: Very fine to Course, Angular to Subangular

Beach Sample Location PI-24

PI-24-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-25%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Barnacles;

PI-24-BB

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

Beach Sample Location PI-25

PI-25-SS

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

PI-25-BB

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-35%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Bryozoa;

Beach Sample Location PI-26

PI-26-SS

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Fine; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-35%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Benthic Foraminifera; *Archaia* sp.

PI-26-BB

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Fine; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-30%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Benthic Foraminifera; *Archaia* sp.

Beach Sample Location PI-27

PI-27-SS

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-25%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Benthic Foraminifera; *Archaia* sp. (lt. orange in color)

PI-27-BB

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Bryozoa;

Beach Sample Location PI-28

PI-28-SS

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-15%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Bryozoa;

PI-28-BB

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

Beach Sample Location PI-29

PI-29-SS

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Medium; Range: Very Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Barnacles, Benthic Foraminifera;

PI-29-BB

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-45%, Heavy Minerals-01%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa, Plant Remains; Echinoid spines and Fragments of Archaia sp. present

Beach Sample Location PI-30

PI-30-SS

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-35%, Heavy Minerals-01%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Bryozoa; Encrusting Bryozoans; Presence of Fibrous Pinkish-White Mineral (Possibly Gypsum)

PI-30-BB

Sand; Yellowish Gray to Moderate Dark Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-15%; Other Features: Weathered; Fossils: Fossil Fragments, Mollusks, Miliolids; Significant amt of Heavies-May include phosphatized shell fragments

Beach Sample Location PI-31

PI-31-SS

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-20%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa;

PI-31-BB

Sand; Very Light Gray to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-05%, Heavy Minerals-03%; Fossils: Fossil Fragments;

Beach Sample Location PI-32

PI-32-SS

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subrounded; Low Sphericity; Accessory Minerals: Shell-10%, Heavy Minerals-05%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Ostracods; Miliolids, Bryozoa, and Fragments of Archaia sp.

PI-32-BB

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Rounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-10%, Heavy Minerals-03%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa, Benthic Foraminifera; Plant Remains, Archaia sp.

Beach Sample Location PI-33

PI-33-SS

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

PI-33-BB

Sand; Yellowish Gray to Moderate Dark Gray; Grain Size: Medium; Range: Very Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-08%, Heavy Minerals-20%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa, Miliolids; Significant Heavies, Rose Quartz, and Citrine Present

Beach Sample Location PI-34

PI-34-SS

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

PI-34-B

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-15%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Barnacles, Miliolids;

PI-34-MB

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

PI-34-BB

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

Beach Sample Location PI-35

PI-35-SS

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-40%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Ostracods;

PI-35-B

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-35%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa, Miliolids;

PI-35-MB

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-40%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

PI-35-BB

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

Beach Sample Location PI-36

PI-36

Sand; Very Light Gray 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, Bryozoa;

Beach Sample Location PI-37

PI-37-SS

Shell Bed; Yellowish Gray to Moderate Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-45%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

PI-37-MB

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

PI-37-BB

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

Beach Sample Location PI-38

PI-38-SS

Sand; Very Light Gray to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-08%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Barnacles;

PI-38-MB

Sand; Very Light Orange to Very Light Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subangular; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-45%, Calcilutite-<1%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Bryozoa; Bryozoan Built on a Clam Shell

PI-38-BB

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

Beach Sample Location PI-39

PI-39-SS

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

PI-39-MB

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-30%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Bryozoa;

PI-39-BB

Shell Bed; Yellowish Gray to Light Gray; Unconsolidated; Accessory Minerals: Quartz Sand-45%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa;

Beach Sample Location PI-40

PI-40-SS

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-45%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Bryozoa;

PI-40-BB

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

Beach Sample Location PI-41

PI-41-SS

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-30%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles;

PI-41-MB

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-40%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa;

PI-41-BB

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

Beach Sample Location PI-42

PI-42-SS

Sand; White to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Medium; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-04%, Heavy Minerals-02%; Fossils: Fossil Fragments;

PI-42-BB

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-03%; Fossils: Fossil Fragments, Mollusks;

Beach Sample Location PI-43

PI-43-SS

Sand; Yellowish Gray to Light Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa;

PI-43-BB

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

Beach Sample Location PI-44

PI-44-SS

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles; Whole Barnacles Attached to Clam Shell

PI-44-MB

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-15%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

PI-44-BB

Sand; Yellowish Gray to Moderate Light Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-40%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Benthic Foraminifera; *Archaia* sp.

Beach Sample Location PI-45

PI-45-SS

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

PI-45-MB

Sand; Yellowish Gray to Light Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-25%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

PI-45-BB

Sand; Yellowish Gray to Very Light Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subrounded; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-20%, Heavy Minerals-01%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid, Benthic Foraminifera;

Beach Sample Location PI-46

PI-46-SS

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

PI-46-BB

Sand; Yellowish Gray to Light Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subangular; Medium Sphericity; Unconsolidated; Accessory Minerals: Shell-10%, Heavy Minerals-02%; Fossils: Fossil Fragments, Mollusks, Bryozoa;

Beach Sample Location PI-47

PI-47-SS

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

PI-47-MB

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

PI-47-BB

Sand; Very Light Gray to Yellowish Gray; Grain Size: Fine; Range: Very Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-03%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Echinoid;

Beach Sample Location PI-48

PI-48-SS

Sand; Yellowish Gray to Moderate Gray; Grain Size: Medium; Range: Fine to Course; Roundness: Angular to Subrounded; Low Sphericity; Unconsolidated; Accessory Minerals: Shell-40%, Heavy Minerals-<1%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa, Ostracods;

PI-48-BB

Shell Bed; Yellowish Gray to Moderate Gray; Unconsolidated; Accessory Minerals: Quartz Sand-15%; Fossils: Fossil Fragments, Mollusks, Barnacles, Bryozoa, Echinoid;
