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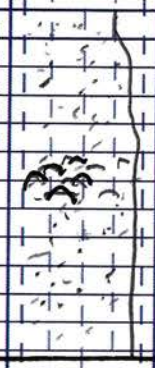
Push Core Description Sheet

Core ID: 14BIM04-07
Latitude: N - 3262610.49
Longitude: E - 288666.02
Date Collected: 07/16/2014
Geographic Location: Breton Island, transect #1 shoreface/Surf zone

Date Described: 11/13/2014
Described By: KELSO
Core Penetration:
Core Length: 24.5 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)	0 50 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	Initial core length - 26cm



0-3cm - Sand, very dark gray (10yr 3/1), very fine, well sorted quartz sand with intact, articulate, clam valves, massive bedding. Minimal, very small mica flakes, possible organic-rich sediment

3-7cm - Sandy, grayish brown (10yr 4/1), very fine well sorted silty sand, with minimal disseminated shell fragments and mica flakes bedding is massive

7-24.5cm - Sand, grayish brown (10yr 5/2) to light gray to brown (10yr 6/2) interbedded very fine sand and very fine silty sand, the darker units contain more silt minimal scattered shell fragments throughout with a dense shell layer at 11-13 cm clustered from 11-13 cm only scattered very small mica flakes, faint horizontal bedding evident with some disturbance from coring

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Core ID: 14BIM04-08
Latitude: N - 3262623.16
Longitude: E - 288641.39
Date Collected: 07/16/2014
Geographic Location: Breton Island, transect T1 dune / berm crest

Date Described: Kelso
Described By: 11/13/2014
Core Penetration:
Core Length: 30.0 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)	0, 50, 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	Original core length - 30.5 cm

INTERVAL (cm): 2.0, 4.0, 6.0, 8.0, 10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0

0 - 30 cm - Sand, light brownish gray (10yr 6/2) fine - very fine well sorted quartz sand with no visible shell material and scattered mica flecks, bedding is horizontally laminated with darker grayish brown (10yr 5/2) silty sand horizons. silty sand horizons dominate the core from 23 - 30 cm

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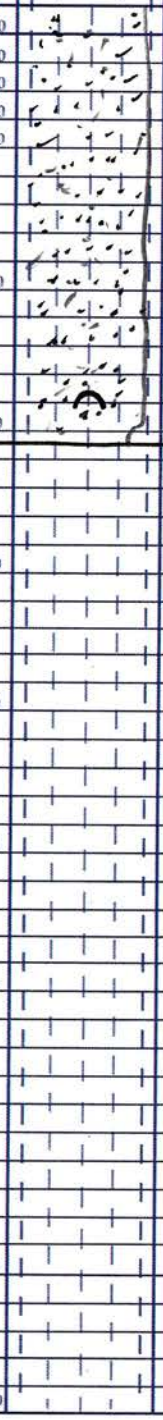
Core ID: 14BIM04-09
Latitude: N - 3262673.77
Longitude: E - 288603.02
Date Collected: 07/16/2014
Geographic Location: Breton Island, transect #1 sound side inner island

Date Described: 11/13/2014
Described By: Kelso
Core Penetration:
Core Length: 31 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND (0 – 50 – 100)	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)		COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length - 32 cm



0-6cm - Sand, interbedded dark grayish brown (10yr 4/2) silty sand and grayish brown (10yr 5/2) sand. Sand is very fine, well sorted horizontally bedded with no visible shell and scattered very small mica flecks

6-27.5cm - Sand, dark grayish brown (10yr 4/2) very fine, well sorted silty sand with scattered shell fragment that increase in content down core. Small black organic lens at 13cm, faint horizontal bedding, intact articulate clam valve at basal contact.

27.5-30 cm - Organic Rich Sand - very dark gray (Gley 1 3/N) very fine well sorted silty sand with organic content increases down core

30-31cm - Sand, dark grayish brown (10yr 4/2) very fine well sorted silty sand, no visible shell material

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Core ID: 14BIM04-10
Latitude: N - 3263540.64
Longitude: E - 289335.23
Date Collected: 07/16/2014
Geographic Location: Breton Is., transect 2 shore face / surf zone.

Date Described: 11/13/2014
Described By: Kelso
Core Penetration:
Core Length: 30.5 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND (0 – 50 – 100)	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)		COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length - 31.5cm
2.0, 4.0, 6.0, 8.0, 10.0, 20.0, 30.0					0 - 27.5cm: Sand dark gray (10yr 4/1) very fine & well sorted slightly silty sand with scattered shell fragments, minimal disseminated very small mica flecks from 0-15cm bedding is faintly horizontal
					27.5 - 29cm: very dark gray (10yr 3/1) very silty sand, no visible shell or mica
					29 - 30.5cm: Sand returns to dark gray (10yr 4/1) silty sand very fine, well sorted, no visible shell material
40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0					

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Core ID: 14Bim 04-11
Latitude: N - 3263566.24
Longitude: E - 289306.41
Date Collected: 07/16/2014
Geographic Location: Breton Is., transect T2 dune/Berm Crest

Date Described: 11/13/2014
Described By: KLSO
Core Penetration:
Core Length: 35.5 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)	0 — 50 — 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length - 35.5 cm
2.0, 4.0, 6.0, 8.0, 10.0, 20.0, 30.0					0-32 cm - Sand, interbedded light brownish gray, very fine, well sorted shell grit, dark grayish brown (10yr 4/2), very fine well sorted silty sand. Silt content increases down core, no visible shell or mica.
					32-34 cm - Sand (10yr 3/1) organic rich very fine, horizontally laminated sand, no visible shell or mica flm
40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0					34-35.5 cm - Sand returns to dark grayish brown silty sand, well sorted very fine with no shell or mica.

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Push Core Description Sheet

Core ID: 14BIM04-12
Latitude: N - 3263671.66
Longitude: E - 289191.06
Date Collected: 07/16/2014
Geographic Location: Breton Is., transect T2 Sound side tidal Flat

Date Described: 11/13/2014
Described By: Kelso
Core Penetration:
Core Length: 33.5 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)	0 — 50 — 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION, Mottled	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length - 35.5 cm

0 - 3.5 cm - Organic - rich sand, very dark gray (Gley 1 3/N) very fine well sorted organic - rich sand with an organic clod from 2.5 - 3.5 cm, minor shelled shell fragment

3.5 - 10.5 cm - Sand gray (2.5y 5/1) silty sand with heavy silt content bedding is slightly mottled gradational contact

10 - 22 cm - Sand dark grayish brown (2.5y 4/2) very fine well sorted sand with minor scattered shell fragment and mottled bedding

22 - 31 cm - Sand, dark gray with brown (10yr 4/2) slightly silty well sorted very fine sand

31 - 33.5 cm - Sand dark gray (2.5y 4/1) very fine / well sorted massive silty sand with no visible shell or mica

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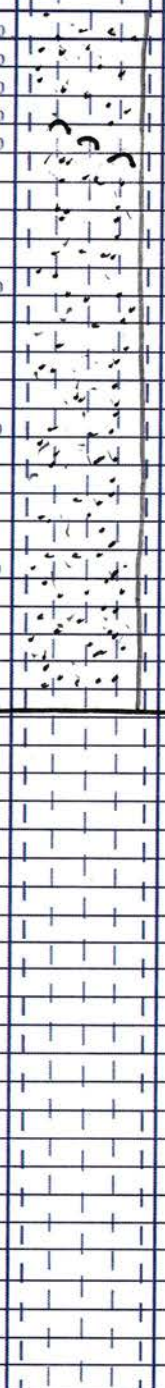
Push Core Description Sheet

Core ID: 14BIm04-13
Latitude: N - 3263658.67
Longitude: E - 289124.29
Date Collected: 07/16/2014
Geographic Location: Breton Is., transect 12 back barrier berm

Date Described: 11/13/2014
Described By: KC/SO
Core Penetration:
Core Length: 49.5 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)	0, 50, 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length - 51.0 cm



0-17cm - Sand, interbedded light and dark sand horizons, lighter sand is light brown to gray (10yr 6/2) clean, very fine, well sorted quartz sand; dark horizons are grayish brown (10yr 5/2) silty, very fine well sorted sand, scattered shell fragments throughout with an especially large shell clusted from 8-9 cm where silt content is very heavy, unit exhibits inclined bedding.

17-26cm Sand, grayish brown (10yr 5/2), well sorted very fine silty sand with only scattered shell fragments and two yellowish brown (10yr 5/8) oxidized sand lens at 18 & 19 cm, bedding is massive.

26-33.5cm - Sand, dark gray (Gley1 4/N), very fine sand with oxidized edges indicating possible heavy mineral content unit is massive.

33.5 - 49.5cm - Sand grayish brown (10yr 5/2) very fine, well sorted, massive sand with scattered shell fragments

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Push Core Description Sheet

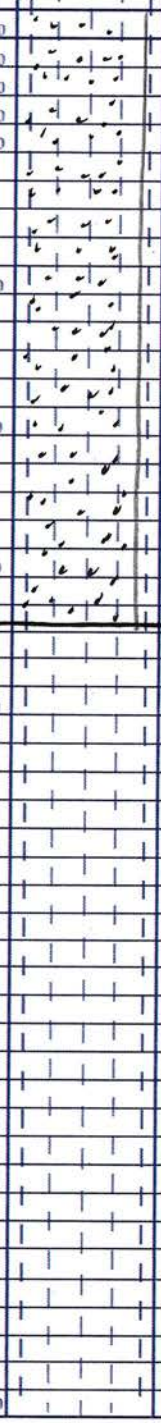
Core ID: 1413m04-14
Latitude: N - 3263667.74
Longitude: E - 289103.07
Date Collected: 07/16/2014
Geographic Location: Brto_Is., transect T2 Breton Sound

Date Described: 11/13/2014
Described By: Kelso
Core Penetration:
Core Length: 43.5 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)	0 — 50 — 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length 46 cm

0-39 cm - Sand, dark grayish brown (10yr 4/2) well sorted, very fine silty sand with scattered shell fragments and occasional very small visible mica flakes, faint horizontal bedding evident, inclined basal contact

39-43.5 cm Sand dark gray (Gley1 4/1) very fine well sorted sand with organic-rich and small lens at base of core



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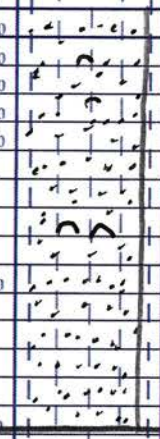
Push Core Description Sheet

Core ID: 14BIM04-15
Latitude: N - 3264003.93
Longitude: E - 289508.26
Date Collected: 07/16/2014
Geographic Location: Breton Is. transect #3 shoreface / surf zone

Date Described: 11/13/2014
Described By: Nelson
Core Penetration:
Core Length: 29.5 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)	0, 50, 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length 30.5 cm



0-2.5cm - Sand, gray (10yr 5/1) very fine well sorted clean sand. no shell

2.5-27cm - Sand, dark gray brown (10yr 4/2) well sorted, very fine, massive slightly silty sand with scattered shell fragments and mica flake

27-28.5 cm - Sand, dark gray (Gley 1 3/N) organic rich sand, very fine well sorted

28.5-29.5cm - Sand dark gray brown (10yr 4/2) well sorted, very fine slightly silty sand

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Core ID: 14BIM04-16
Latitude: N - 3264019.09
Longitude: E - 289466.71
Date Collected: 07/16/2014
Geographic Location: Breton Is., transect #3 Mid Berm

Date Described: 11/13/2014
Described By: KCLSO
Core Penetration:
Core Length: 45 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)	0, 50, 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length - 46 cm

0-45cm - Sand, light brownish gray (10yr 6/2) very fine well sorted clean sand interbedded with darker grayish brown (10yr 5/2) slightly silty sand horizons, no visible shell material and sporadic very small micaceous silty sand content increases down core, horizontally bedded.

2.0
4.0
6.0
8.0
10.0
20.0
30.0
40.0
50.0
60.0
70.0
80.0
90.0
100.0

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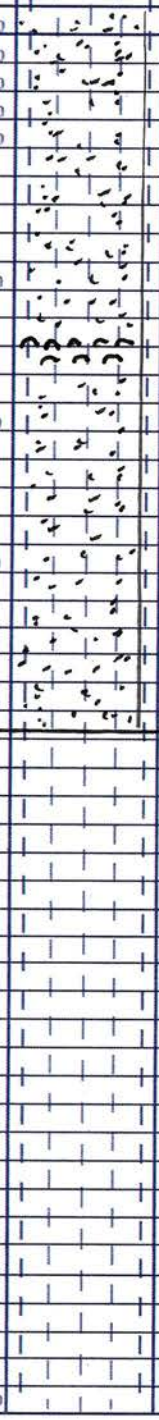
Push Core Description Sheet

Core ID: 14BIM04-17
Latitude: N - 3264028.33
Longitude: E - 289401.94
Date Collected: 07/16/2014
Geographic Location: Breton Is., transect #3 sound side inner 15.

Date Described: 11/13/2014
Described By: Kelso
Core Penetration:
Core Length: 51.5 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND (0 — 50 — 100)	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)		COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length 55 cm



0-47cm - Sand, dark grayish brown (10YR 4/2) very fine well sorted sand with trace of oxidized sediment abundant from 0-21cm scattered shell fragments and a dense shell hash horizon (clast) from 23.5-27cm faint horizontal bedding evident

47-51.5 cm, Sand dark gray (Gley 1 3/N) very fine well sorted, massive sand

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Push Core Description Sheet

Core ID: 14BIM04-41
Latitude: N - 3267867.59
Longitude: E - 296951.48
Date Collected: 07/21/2014
Geographic Location: Grassy Island, South spit

Date Described: 11/13/2014
Described By: KC/SO
Core Penetration:
Core Length: 34.0 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND (0 — 50 — 100)	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)		COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length - 34.5 cm
2.0, 4.0, 6.0, 8.0, 10.0, 20.0, 30.0					0 - 34.0 cm - Sand, dark grayish brown (10yr 4/2) very fine well sorted, massive slightly silty sand with moderate disseminated shell fragment and mica flecks
40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0					

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Push Core Description Sheet

Core ID: 14BIM04-42
Latitude: N - 3267221.83
Longitude: E - 296999.19
Date Collected: 07/21/2014
Geographic Location: Godwin Is., south end

Date Described: 11/13/2014
Described By: Kelso
Core Penetration:
Core Length: 26.5 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)	0, 50, 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length - 34.5 cm

INTERVAL (cm): 2.0, 4.0, 6.0, 8.0, 10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0

0-25 cm - Sand, dark grayish brown (10YR 4/2) very fine, well sorted, horizontally laminated slightly silty sand not visible shell material and only scattered mica flecks.

25-26.5 cm - Sand grey (5Gy 4/1) well sorted very fine sand with evidence of organic inclusions

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Core ID: 14BIM04-44
Latitude: N - 3268844.96
Longitude: E - 297702.32
Date Collected: 07/21/2014
Geographic Location: N. Gasses, transect t4 shoreface/surf zone

Date Described: 11/13/2014
Described By: RCB
Core Penetration:
Core Length: 33.0 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)	0, 50, 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length - 33.5 cm

0 - 30.0 cm - Sand, dark grayish brown (10yr 4/2) very fine, well sorted massive, with moderate disseminated shell fragment and minimal mica flecks.

30.0 - 31.0 cm Sand gray (Gley 1 4/N) very fine, well sorted, massive sand with small shell frags

31 - 33 cm - Sand, returns to dark grayish brown (10yr 4/2) very fine, well sorted slightly silty sand

Depth scale: 2.0, 4.0, 6.0, 8.0, 10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0

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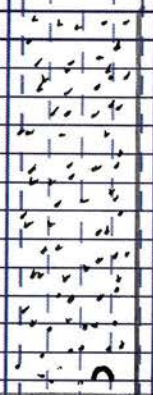
Push Core Description Sheet

Core ID: 1413m04-45
Latitude: N - 3268847.98
Longitude: E - 297690.68
Date Collected: 07/21/2014
Geographic Location: transect ty dune/berm crest

Date Described: 11/13/2014
Described By: Kel So
Core Penetration:
Core Length: 27.5 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)	0, 50, 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length - 27.5 cm



0 - 4.5 cm - Sand, interbedded dark gray (10yr 4/1) silty sand and light brownish gray (10yr 6/2) cleaner sand, unit is very tiny (dark horizons are finer) well sorted, horizontally laminated with no visible shell material

4.5 - 27.5 cm - Sand light brownish gray (10yr 6/2) well sorted very tiny, massive sand with very occasional small shell fragments and no visible mica content

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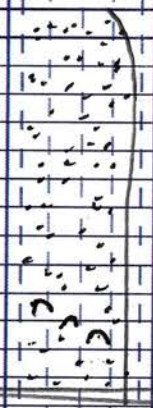
Core ID: 14131m04 - 4/6
Latitude: N - 3268861.05
Longitude: E - 297654.80
Date Collected: 07/21/2014
Geographic Location: transect f4 back barrier tidal flat

Date Described: 11/13/2014
Described By: Kelso
Core Penetration:
Core Length: 27.5cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND (0 – 50 – 100)	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)		COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	0-2 cm - Sand, Black organic rich, very fine well sorted sands, no vis. bio shell material 2-27.5 cm - Sand dark gray (10yr 4/1) very fine, well sorted massive sand, with minimal disseminated very small shell fragments and a dense shell hash cluster with angular building from 20 - 22.5 cm



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Push Core Description Sheet

Core ID: 14BIM04-53
Latitude: N - 3271369.48
Longitude: E - 300704.63
Date Collected: 07/22/2014
Geographic Location: transect T6 on emergent shoal

Date Described: 11/13/2014
Described By: KLSo
Core Penetration:
Core Length: 41.5 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)	0 — 50 — 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length - 42 cm
2.0, 4.0, 6.0, 8.0, 10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0					0 - 37.5 cm - Sand, dark grayish brown (10yr 4/2) very fine, well sorted sand interbedded with dark gray (10yr 4/1) silty sand with minimal shell fragments and a dense shell hash cluster from 27-30 cms 37.5 - 40 cm - Sand, gray (5Gy 4/N) very fine, well sorted sand, with significant shell fragments. 40 - 41.5 cm - Sand, returns to dark grayish brown (10yr 4/2) very fine, well sorted sand

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Push Core Description Sheet

Core ID: 14BIM04-54
Latitude: N - 3271351.42
Longitude: E - 300503.60
Date Collected: 07/22/2014
Geographic Location: transect #6 dune/berm crest

Date Described: 11/13/2014
Described By: KCL
Core Penetration:
Core Length: 42.0 cm

SEDIMENTARY TEXTURE AND STRUCTURES	% SAND	PHYSICAL CHARACTERISTICS	STRATIFICATION TYPE	SAMPLE	PHYSICAL DESCRIPTION
CLAY, SILT, FINE SAND, MEDIUM SAND, COARSE SAND, INTERVAL (cm)	0, 50, 100	COLOR, DEFORMATION, BED THICKNESS, % SHELL, % ORGANICS, % BIOTURBATION	WAVY, FLASER, LENTICULAR, CROSS BED, MASSIVE BED, INCLINED BED, HORIZON LAMINATION	GRAIN SIZE, HEAVY MINERAL, MICRO FOSSILS, RADIOMETRIC, RADIOGRAPH, PHOTOGRAPH	original core length - 42cm
2.0, 4.0, 6.0, 8.0, 10.0, 20.0, 30.0, 40.0					0-21cm - Sand, light grayish brown (10YR 6/2) well sorted, very fine clean sand interbedded with thin dark gray (10YR 4/1) silty sand sand horizons, with minimal disseminated mica flak
					21-42cm - Sand, dark grayish brown. Very fine well sorted, massive sand with abundant fragmented and intact but inactive shell fragments
50.0, 60.0, 70.0, 80.0, 90.0, 100.0					