

EXPLANATION

Sediment composition

Medium and coarse sand

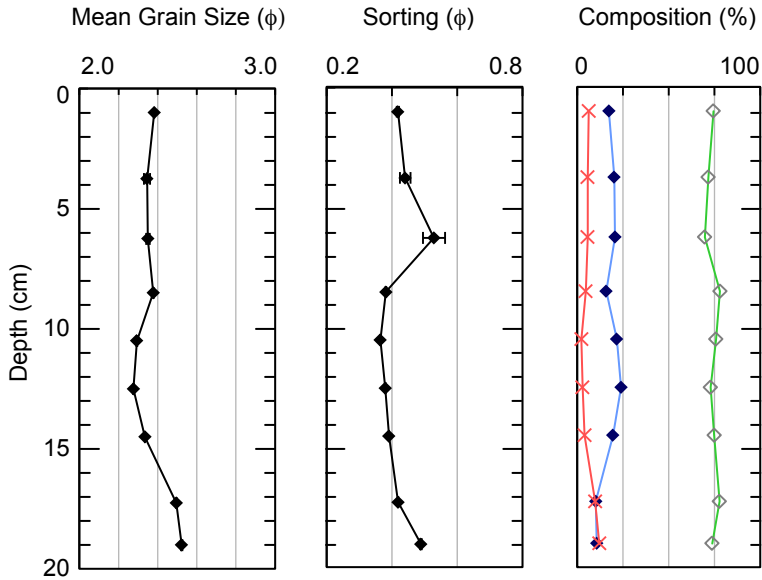
Fine sand

Very fine sand

Lithology

Sand

Shell fragments



Latitude:

30.01007 N

Elevation:

0.210 m

Longitude:

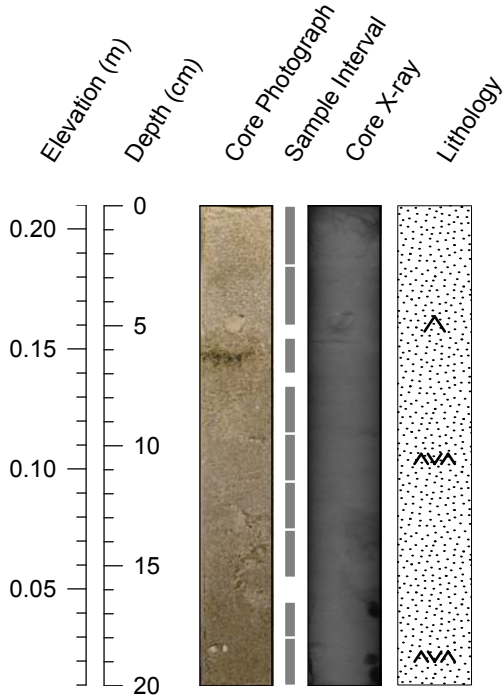
-88.84541 W

Core Length:

20.0 cm

Location:

25 m on the sound side of the berm



Lithologic Description

0 - 20.0 cm: SAND, olive-brown, well-sorted, fine-grained, massive quartz sand with a large shell fragment at 5.0 cm and scattered, smaller shell fragments from 7.0 to 20.0 cm; a thin, sandy, organic horizon just below 6.0 cm is somewhat deformed from coring (concave down) with disseminated mica flakes

Core ID: 13BIM05-02

EXPLANATION

Sediment composition

Medium and coarse sand

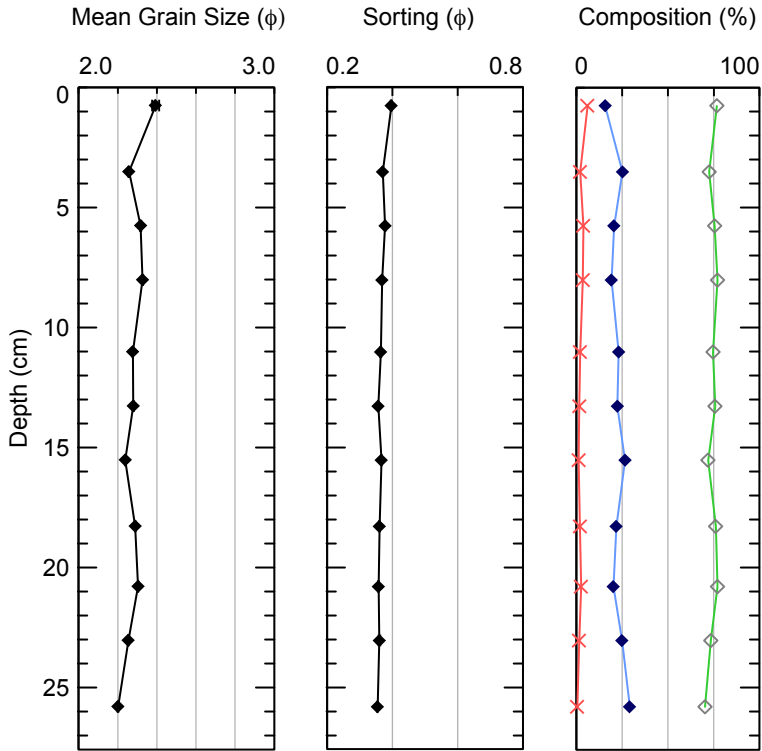
Fine sand

Very fine sand

Lithology

Sand

Shell fragments



Core ID: 13BIM05-02

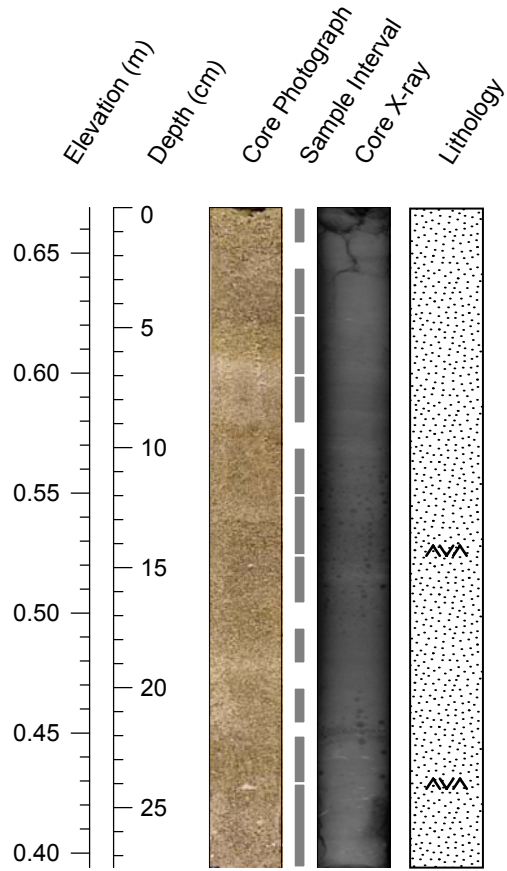
Latitude: 30.01033 N

Longitude: -88.84520 W

Location: crest of emergent berm overwash

Elevation: 0.669 m

Core Length: 27.5 cm



Lithologic Description

0 - 27.5 cm: SAND, olive-brown, well-sorted, fine-grained, massive quartz sand with occasional small shell fragments and very small mica flakes

EXPLANATION

Sediment composition

◆

Medium and coarse sand

◇

Fine sand

×

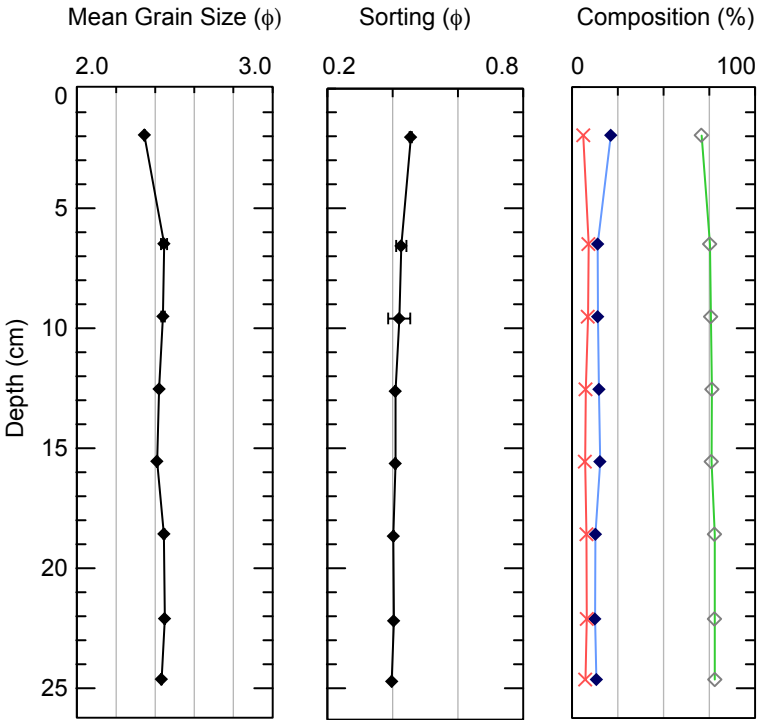
Very fine sand

Lithology

Sand

^ ^

Shell fragments



Latitude:

30.01033 N

Elevation:

-0.119 m

Longitude:

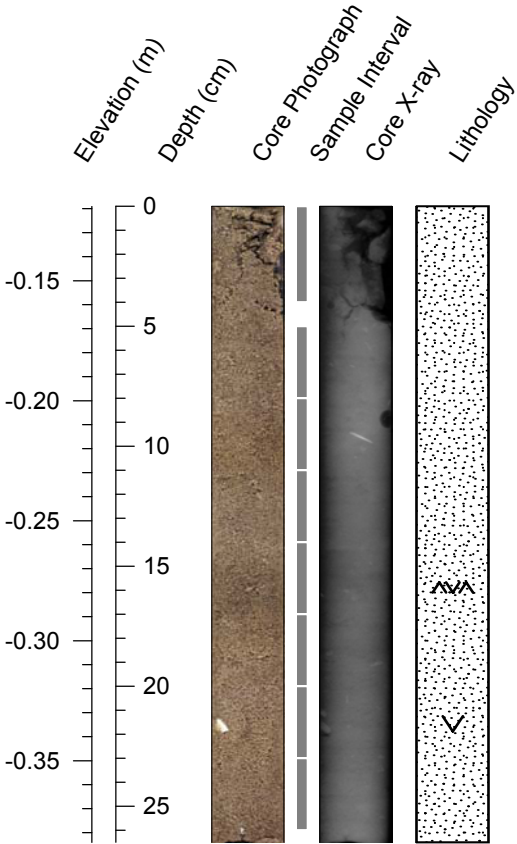
-88.84393 W

Core Length:

26.5 cm

Location:

T1 (surf)



Lithologic Description

0 - 26.5 cm: SAND, olive-brown, well-sorted, fine-grained, massive quartz sand with scattered shell fragments from 16.0 to 17.5 cm, very small mica flakes and a shell fragment at 21.5 cm

EXPLANATION

Sediment composition

Medium and coarse sand

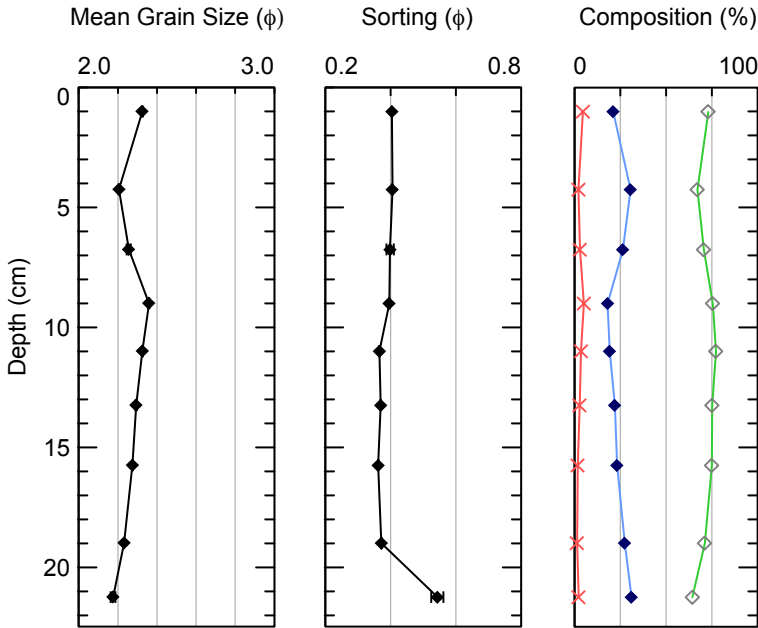
Fine sand

Very fine sand

Lithology

Sand

Shell fragments



Latitude:

30.01030 N

Elevation:

0.034 m

Longitude:

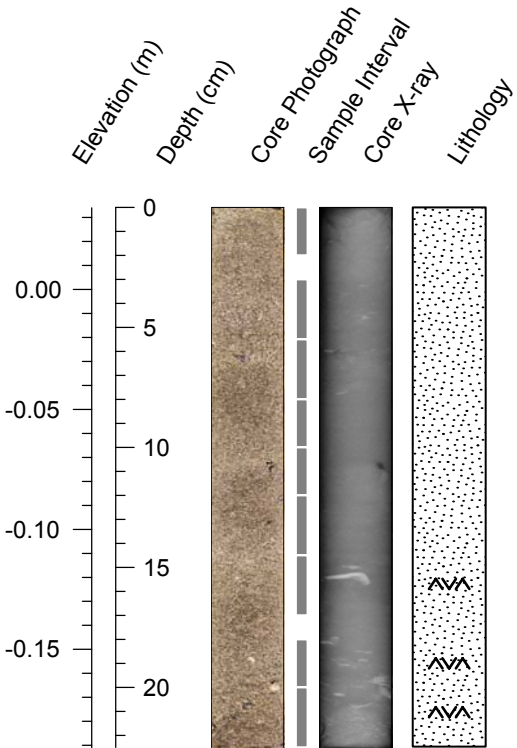
-88.84421 W

Core Length:

22.5 cm

Location:

T1 (surf)



Lithologic Description

0 - 22.5 cm: SAND, olive-brown, well-sorted, fine-grained, massive, clean quartz sand with moderate disseminated shell hash from 18.5 to 22.5 cm and scattered, small mica flakes

EXPLANATION

Sediment composition

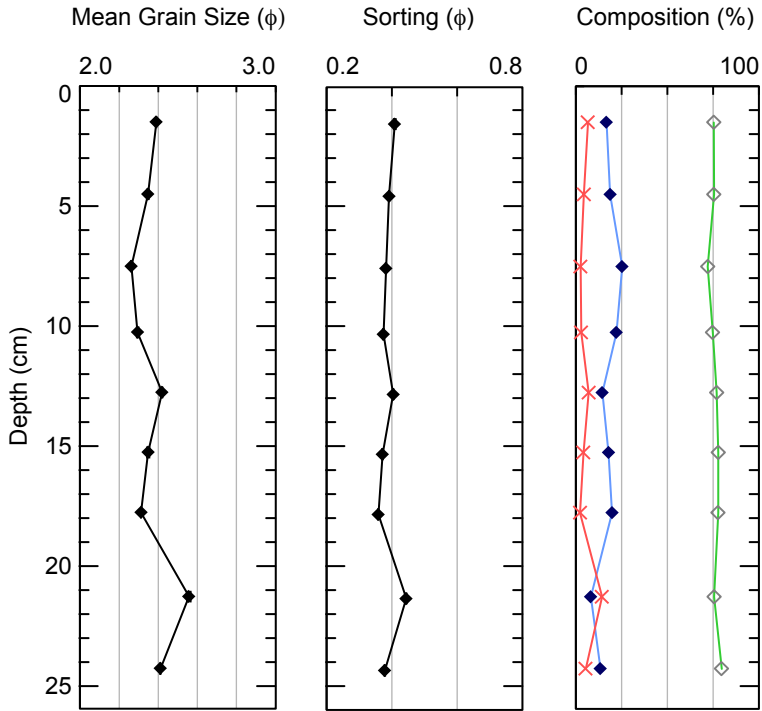
Medium and coarse sand

Fine sand

Very fine sand

Lithology

Sand



Latitude:

30.01012 N

Elevation:

0.161 m

Longitude:

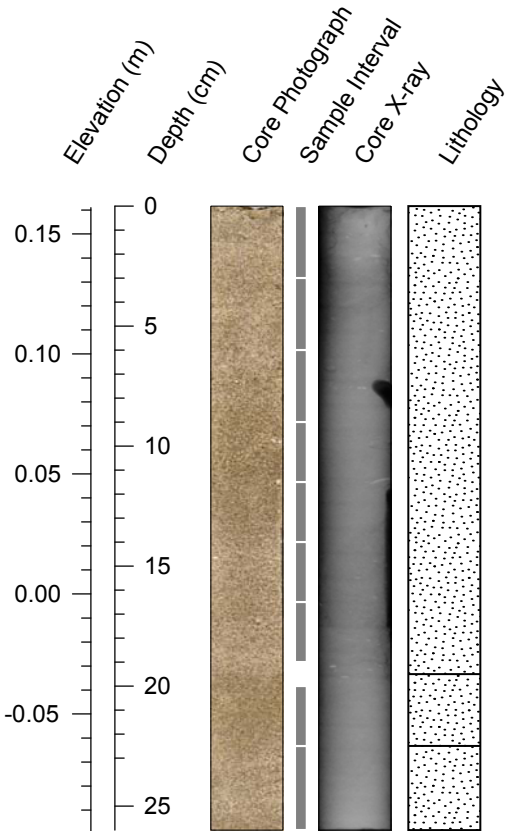
-88.84435 W

Core Length:

26.0 cm

Location:

T1 (shoreface)



Lithologic Description

0 - 19.5 cm: SAND, olive-brown, well-sorted, fine-grained, massive quartz sand with occasional, small shell fragments

19.5 - 22.5 cm: SAND, olive-brown, well-sorted, fine-grained, massive quartz sand with disseminated, small mica flakes

22.5 - 26.0 cm: SAND, olive brown, well-sorted, fine-grained, massive quartz sand

Core ID: 13BIM05-11

EXPLANATION

Sediment composition

Medium and coarse sand

Fine sand

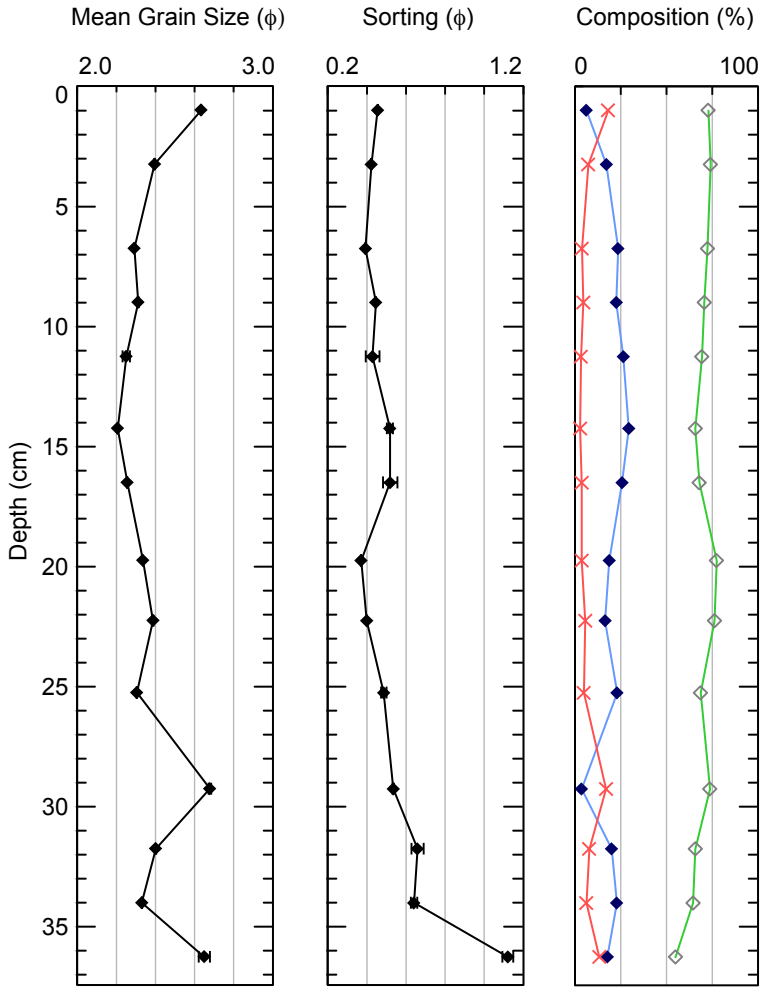
Very fine sand

Lithology

Sand

Muddy sand

Shell fragments



Core ID: 13BIM05-11

Latitude:

29.95092 N

Elevation:

0.683 m

Longitude:

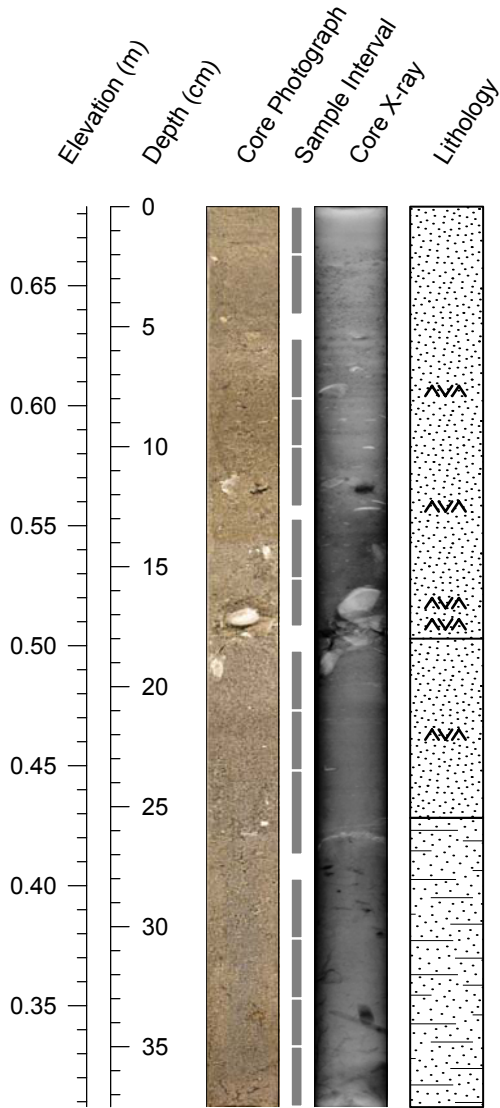
-88.82381 W

Core Length:

37.5 cm

Location:

T5 (sound side)



Lithologic Description

0 - 19.5 cm: SAND, olive-brown, well-sorted, fine-grained, massive quartz sand with moderate disseminated shell fragments and a dense shell-hash deposit from 16.0 to 18.0 cm

18.0 - 25.5 cm: SAND, brownish-gray, well-sorted, fine-grained, massive quartz sand with minimal disseminated shell fragments

25.5 - 37.5 cm: MUDDY SAND, yellowish-brown, well-sorted, fine-grained, massive muddy sand with small, degraded, root fibers throughout

Core ID: 13BIM05-12

EXPLANATION

Sediment composition

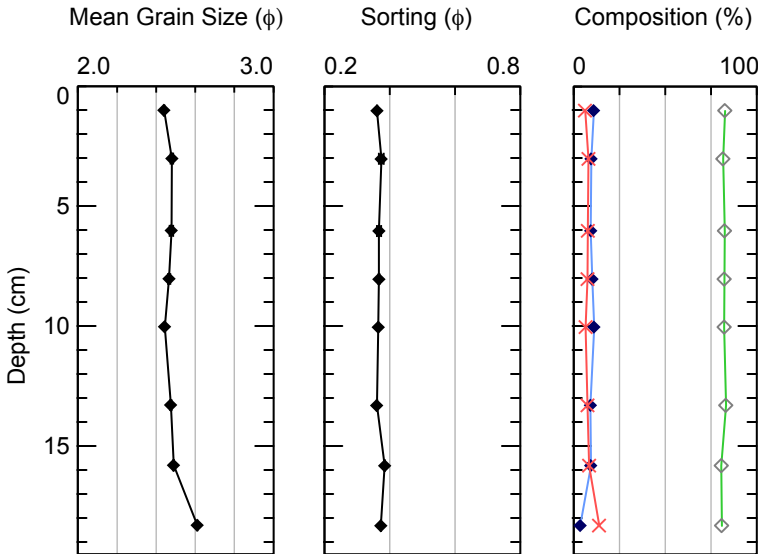
Medium and coarse sand

Fine sand

Very fine sand

Lithology

Sand



Core ID: 13BIM05-12

Latitude:

29.95095 N

Elevation:

0.751 m

Longitude:

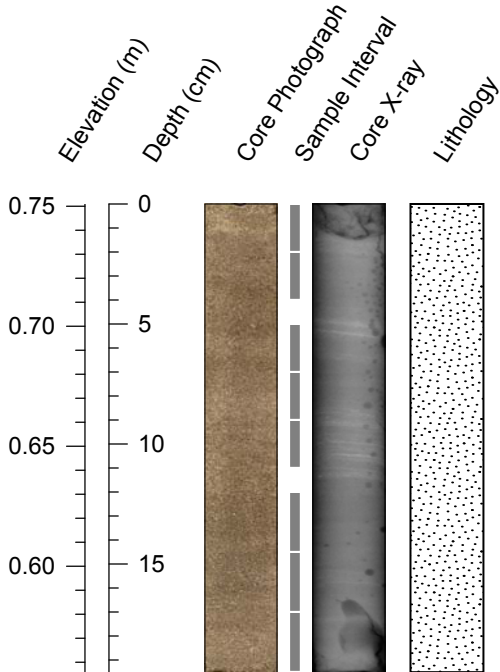
-88.82295 W

Core Length:

19.5 cm

Location:

T5 (shoreface)



Lithologic Description

0 - 19.5 cm: SAND, light olive-brown, well-sorted, fine-grained, horizontally bedded sand; no visible shell material

EXPLANATION

Sediment composition

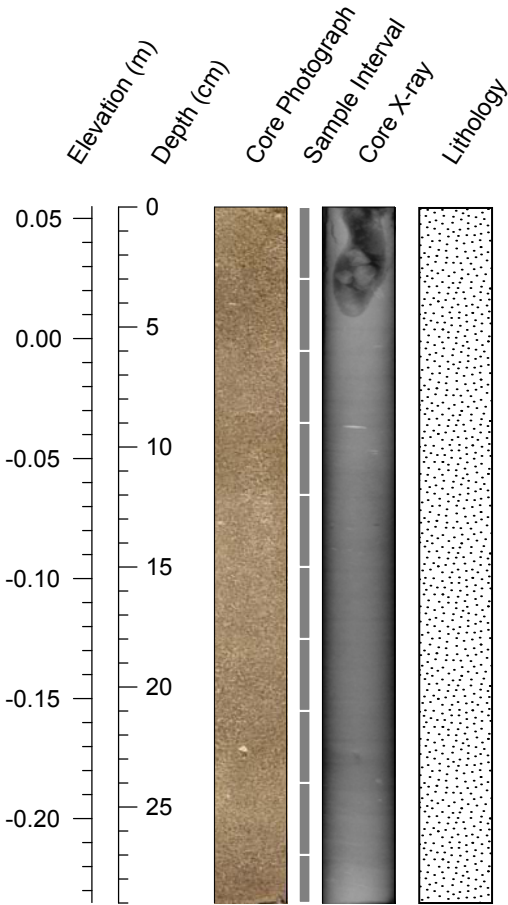
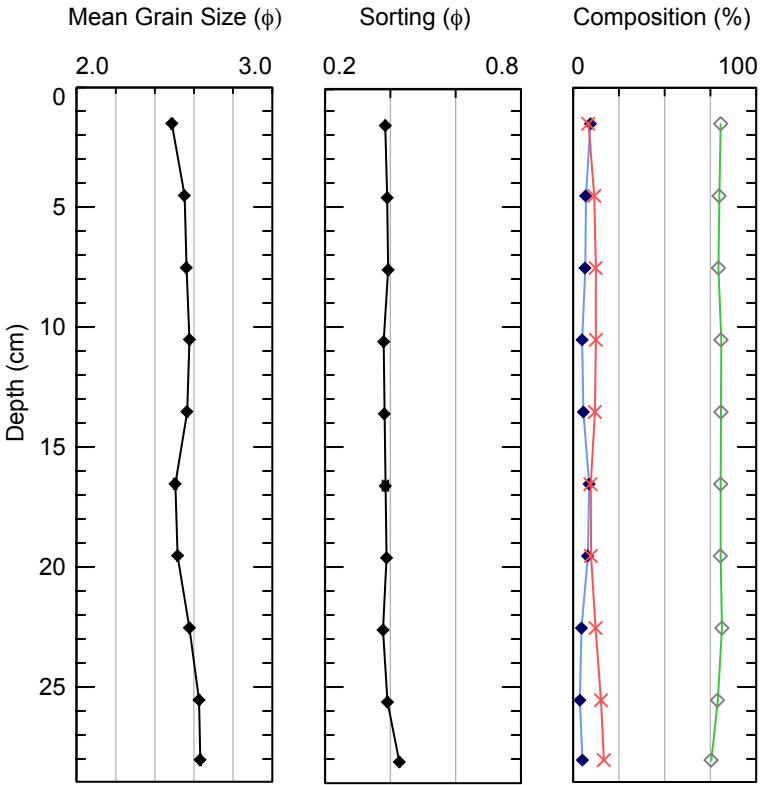
Medium and coarse sand

Fine sand

Very fine sand

Lithology

Sand



Lithologic Description

0 - 29.0 cm: SAND, olive-brown, well-sorted, fine-grained, massive quartz sand with scattered, small shell fragments



EXPLANATION

Sediment composition

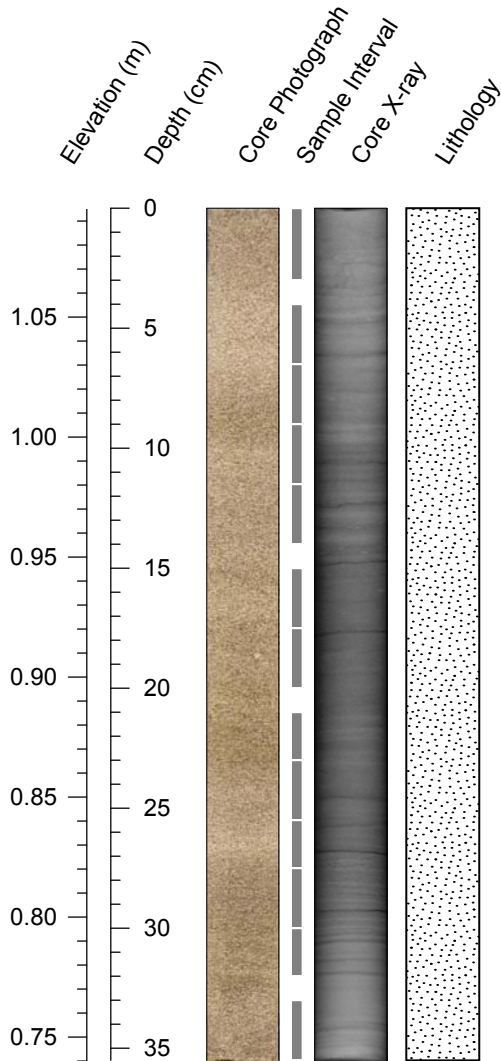
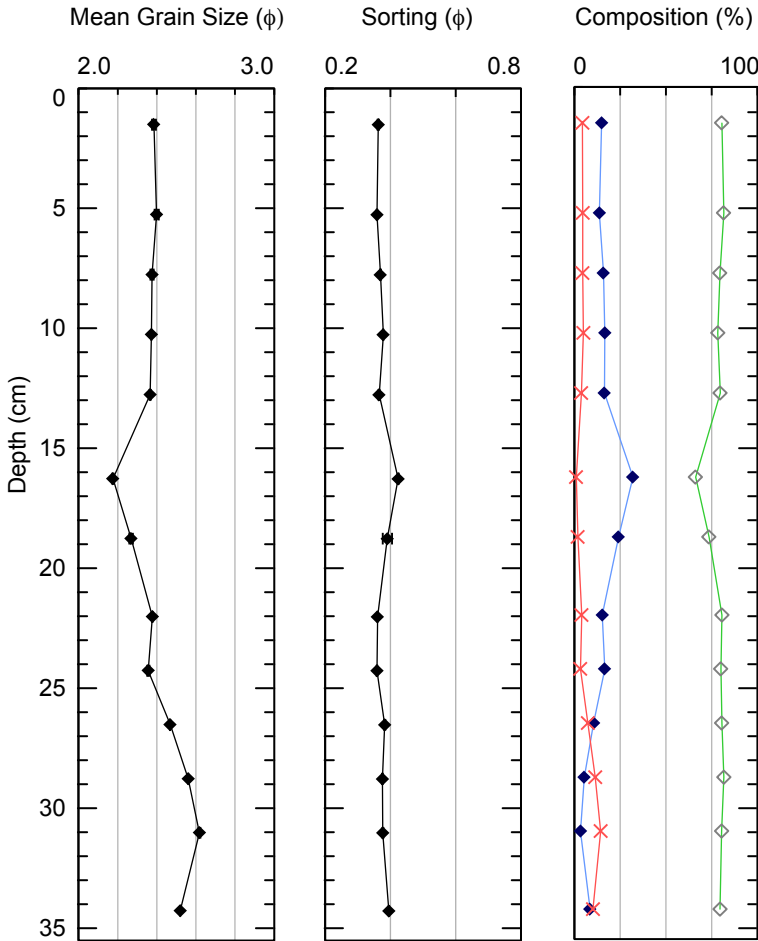
Medium and coarse sand

Fine sand

Very fine sand

Lithology

Sand



Lithologic Description

0 - 35.5 cm: SAND, light brown grading into olive-brown, well-sorted, fine-grained quartz sand; bedding is massive from 0 to 24.5 cm and horizontally bedded from 24.5 to 35.5 cm. Laminations are visible in x-ray.

\*interpolated from a 2.5-meter by 2.5-meter gridded surface of USGS lidar data collected in July 2013 using the Spatial Analyst Extract Values to Points tool in Esri ArcGIS version 10.2

EXPLANATION

Sediment composition

Medium and coarse sand

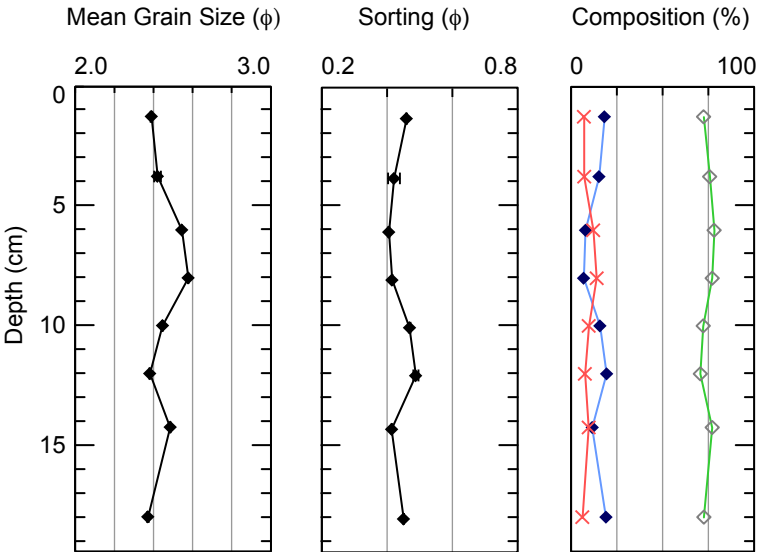
Fine sand

Very fine sand

Lithology

Sand

Shell fragments



Latitude:

29.96649 N

Elevation:

0.480 m

Longitude:

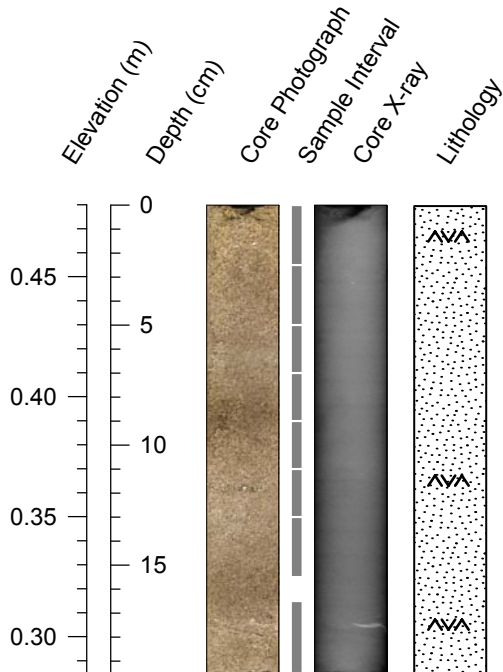
-88.82665 W

Core Length:

19.5 cm

Location:

T5 (gulfside)



Lithologic Description

0 - 19.5 cm: SAND, dark olive-brown, well-sorted, fine-grained massive quartz sand with random scattered shell fragments

Core ID: 13BIM05-16

EXPLANATION

Sediment composition

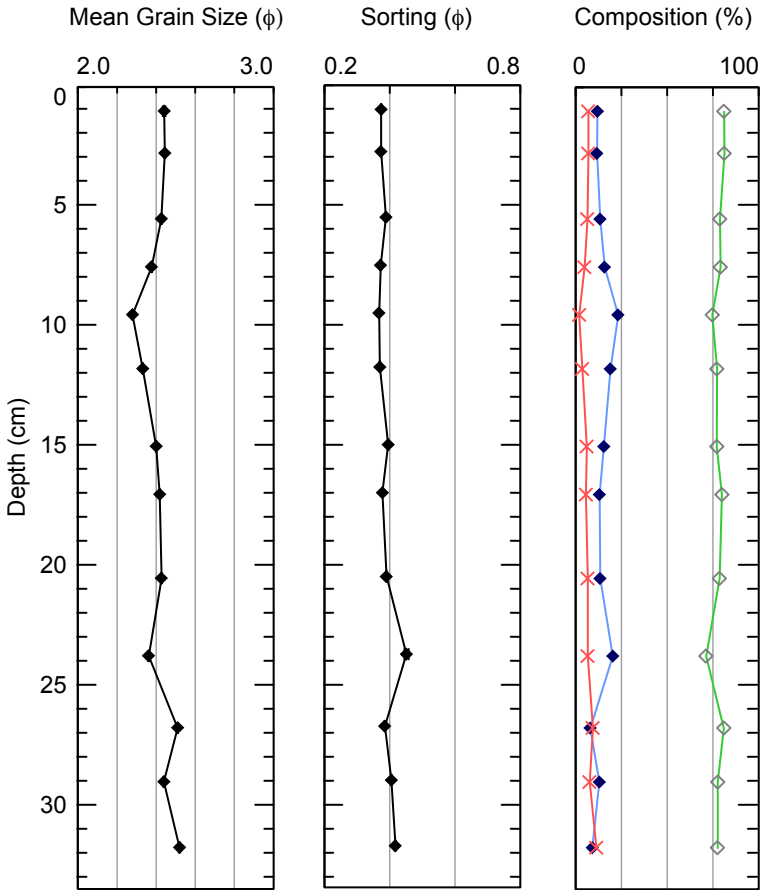
Medium and coarse sand

Fine sand

Very fine sand

Lithology

Sand



Core ID: 13BIM05-16

Latitude:

29.96646 N

Elevation:

0.930 m

Longitude:

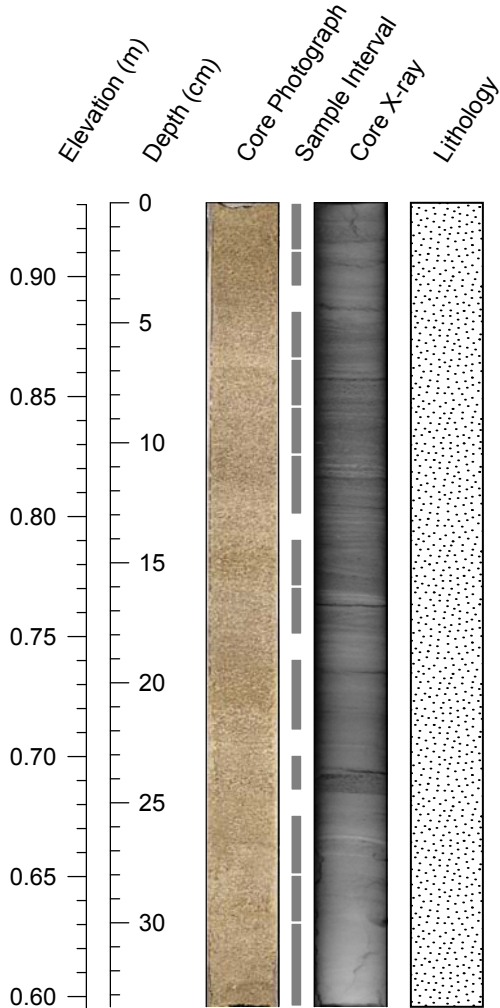
-88.82703 W

Core Length:

33.5 cm

Location:

T4 (berm overwash)



Lithologic Description

0 - 33.5 cm: SAND, light olive-brown, well-sorted, fine-grained, horizontally laminated with laminations consisting of thin, dark olive-brown sand, which increase in frequency downcore; no visible shell material

EXPLANATION

Sediment composition

Medium and coarse sand

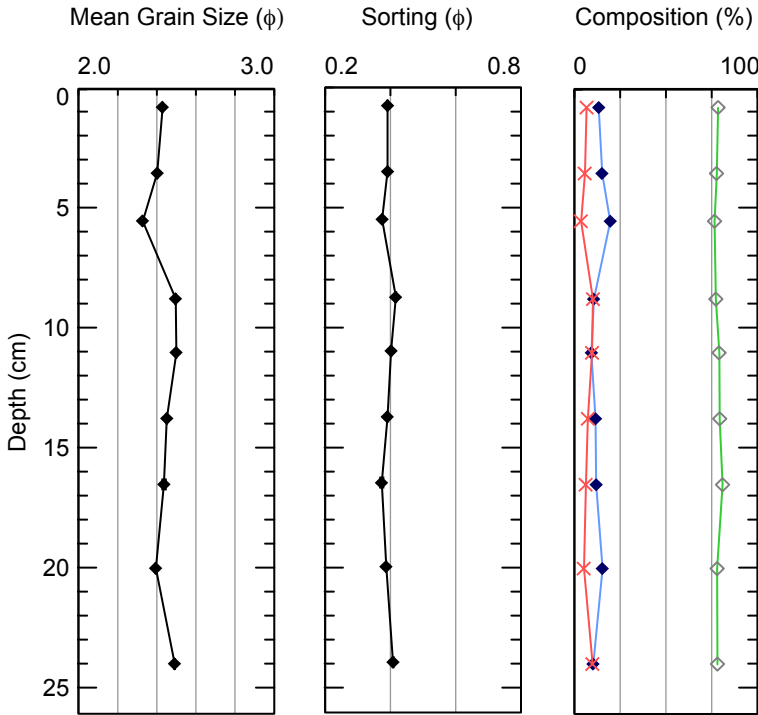
Fine sand

Very fine sand

Lithology

Sand

Shell fragments



Latitude:

29.96640 N

Elevation:

0.672 m

Longitude:

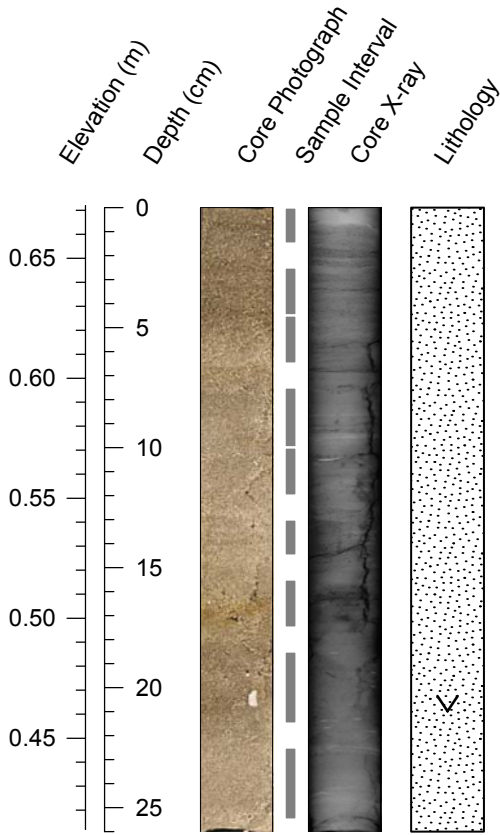
-88.82739 W

Core Length:

26.0 cm

Location:

T4 (berm overwash)



Lithologic Description

0 - 26.0 cm: SAND, olive-brown, well-sorted, fine-grained, quartz sand with faint inclined bedding and an oxidized horizon from 16.0 to 17.5 cm; occasional small mica flakes and no visible shell material except a small shell fragment at 20.5 cm

EXPLANATION

Sediment composition

Medium and coarse sand

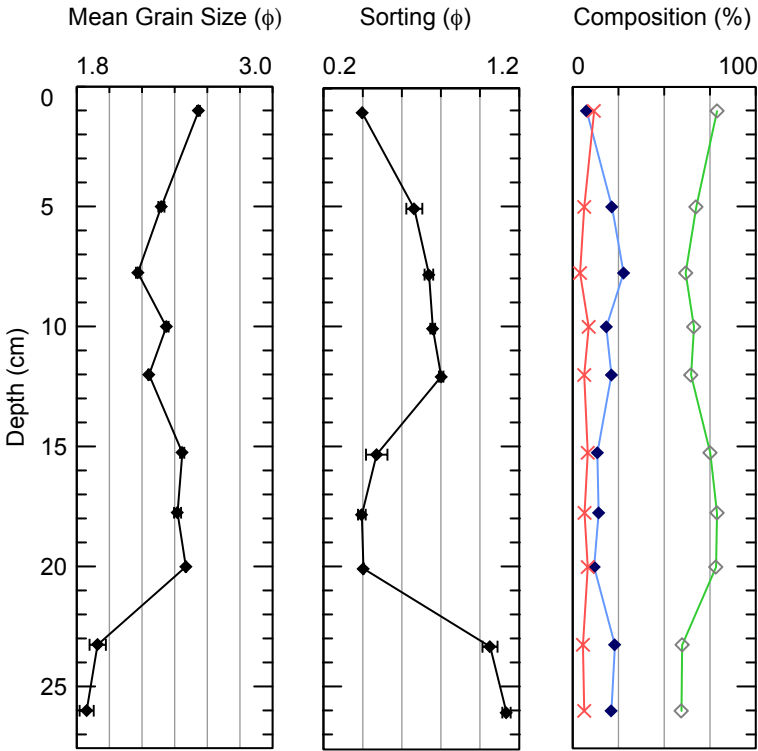
Fine sand

Very fine sand

Lithology

Sand

Shell fragments



Latitude:

29.89652 N

Elevation:

0.530 m

Longitude:

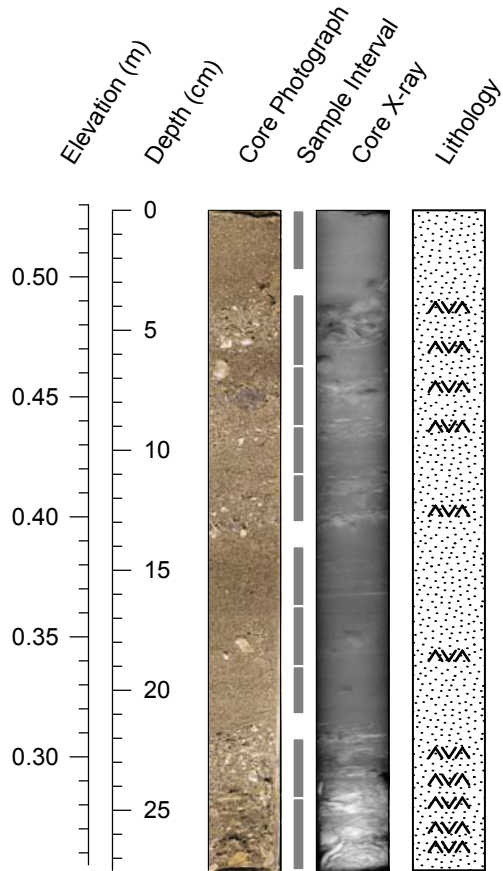
-88.82354 W

Core Length:

27.5 cm

Location:

T8 (shoreface)



Lithologic Description

0 - 27.5 cm: SAND, olive-brown, well-sorted, fine-grained, quartz sand with heavy shell content from 3.5 to 9.5 cm, moderate shell material from 9.5 to 21.5 cm, and a very dense shell horizon from 21.5 to 27.5 cm; bedding is predominantly mottled with faint horizontal bedding from 9.5 to 21.5 cm

Core ID: 13BIM05-22

EXPLANATION

Sediment composition

Medium and coarse sand

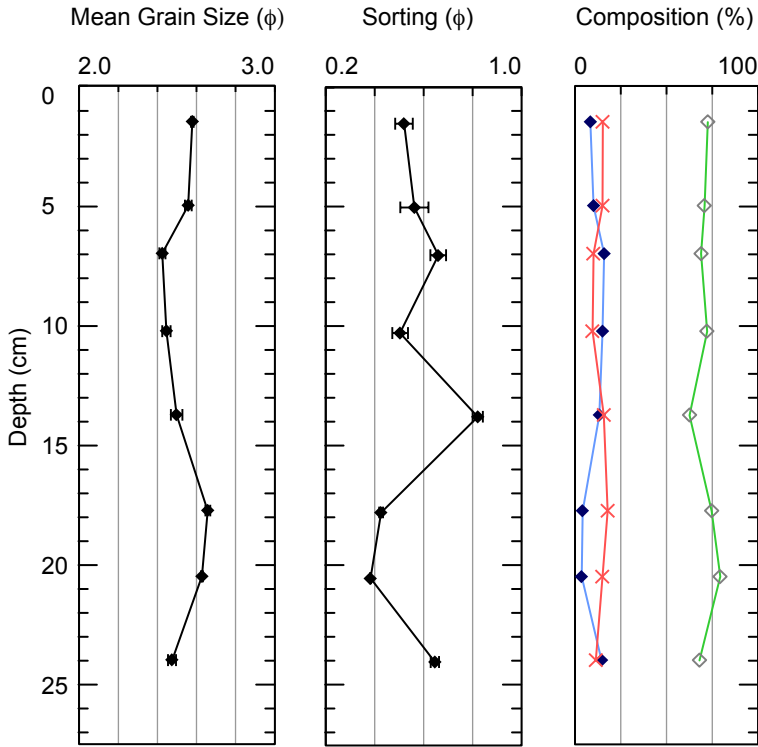
Fine sand

Very fine sand

Lithology

Sand

Shell fragments



Core ID: 13BIM05-22

Latitude:

29.89647 N

Elevation:

-0.037 m

Longitude:

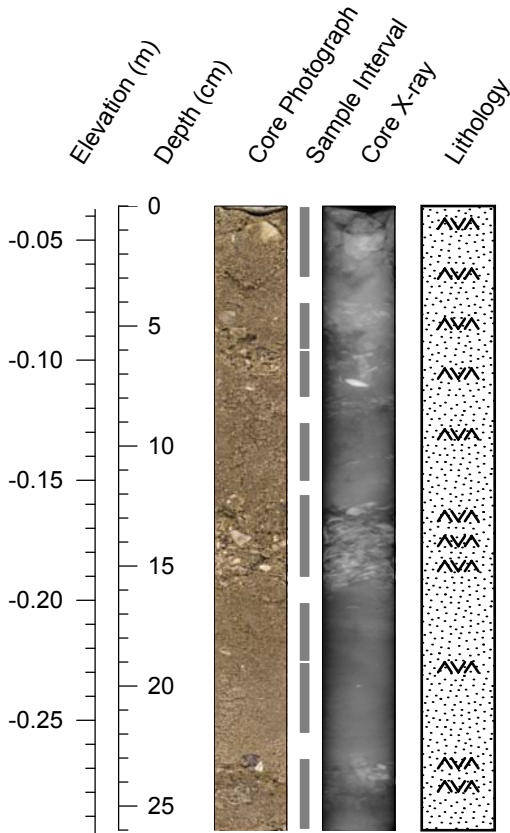
-88.82337 W

Core Length:

26.0 cm

Location:

T8 (surf)



Lithologic Description

0 - 26.0 cm: SAND, olive-brown, well-sorted, fine-grained, quartz sand with moderate shell fragments from 0 to 12.0 cm, abundant large shell fragments from 12.0 to 16.5 cm, very little disseminated shell hash from 16.5 to 23.0 cm, and moderated shell fragments levels from 23.0 to 26.0 cm

EXPLANATION

Sediment composition

Medium and coarse sand

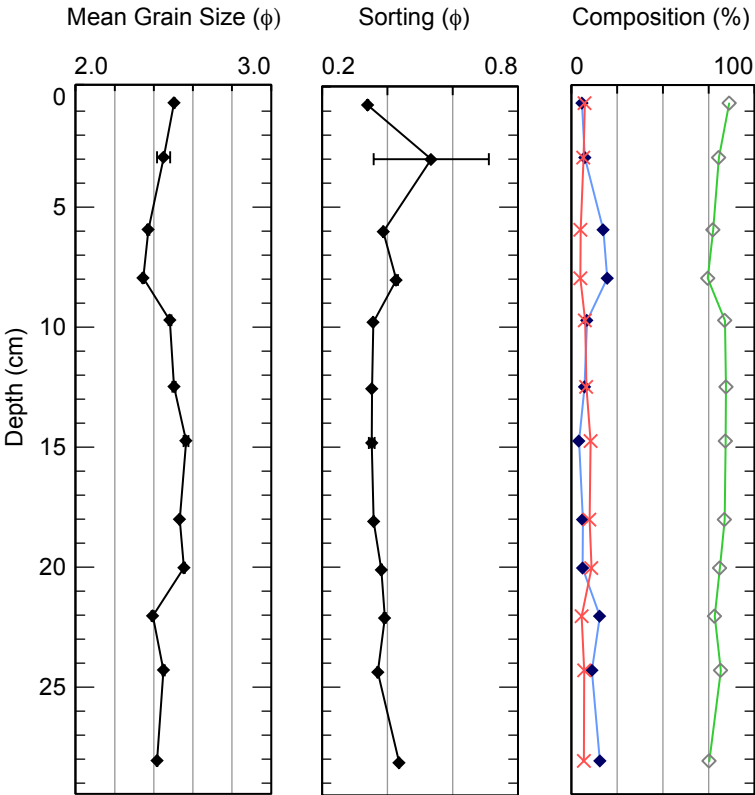
Fine sand

Very fine sand

Lithology

Sand

Shell fragments



Latitude:

29.89650 N

Elevation:

1.114 m

Longitude:

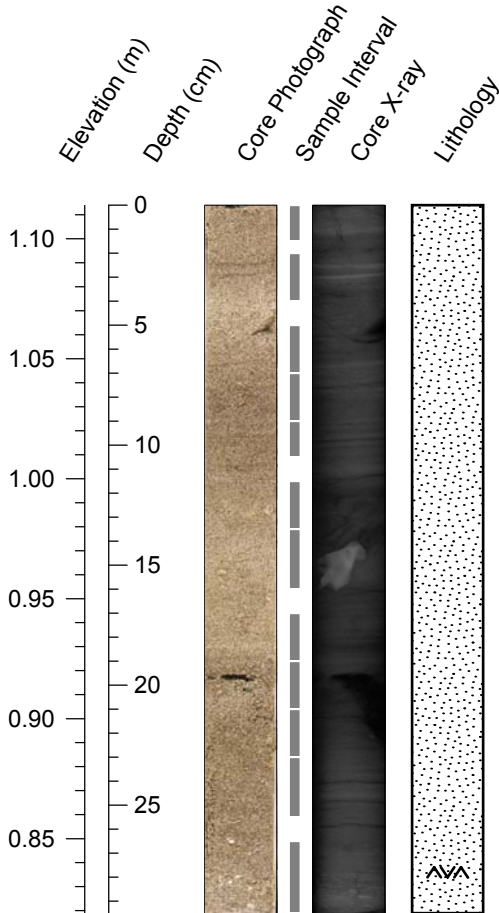
-88.82368 W

Core Length:

29.5 cm

Location:

T8 (berm overwash)



Lithologic Description

0 - 29.5 cm: SAND, light brown, well-sorted, fine-grained, quartz sand with thin olive-brown sand horizons; bedding is horizontally laminated from 0 to 20.0 cm then massive from 20 to 29.5 cm; minimal disseminated shell hash from 26.5 to 29.5 cm. Laminations are seen in x-ray.

EXPLANATION

Sediment composition

Medium and coarse sand

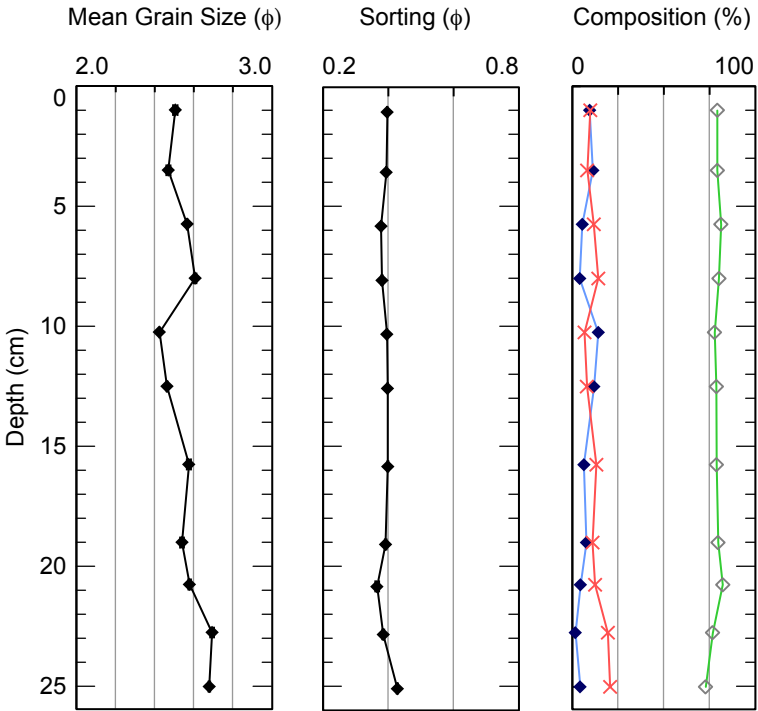
Fine sand

Very fine sand

Lithology

Sand

Shell fragments



Latitude:

29.88728 N

Elevation:

0.957 m

Longitude:

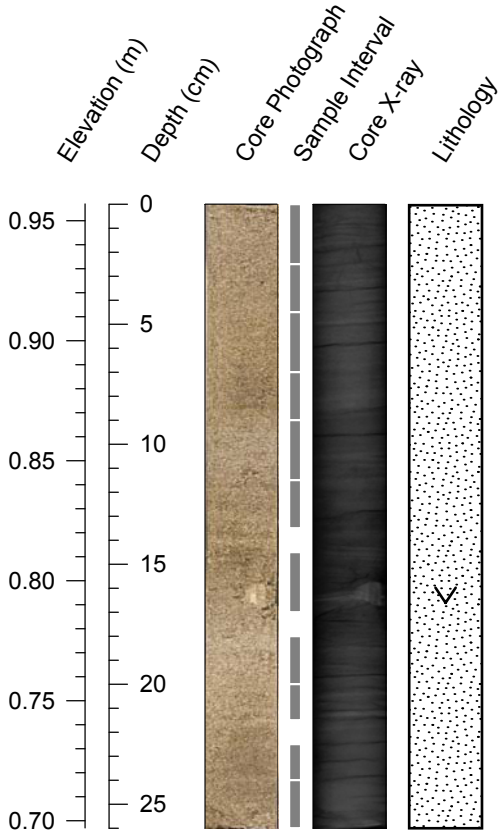
-88.82585 W

Core Length:

26.0 cm

Location:

T9 (crest)



Lithologic Description

0 - 26.0 cm: SAND, light brown, well-sorted, fine-grained, horizontally laminated quartz sand with thin, olive-brown, fine-grained sand horizons with a large shell fragment at 16.5 cm



Core ID: 13BIM05-25

EXPLANATION

Sediment composition

Medium and coarse sand

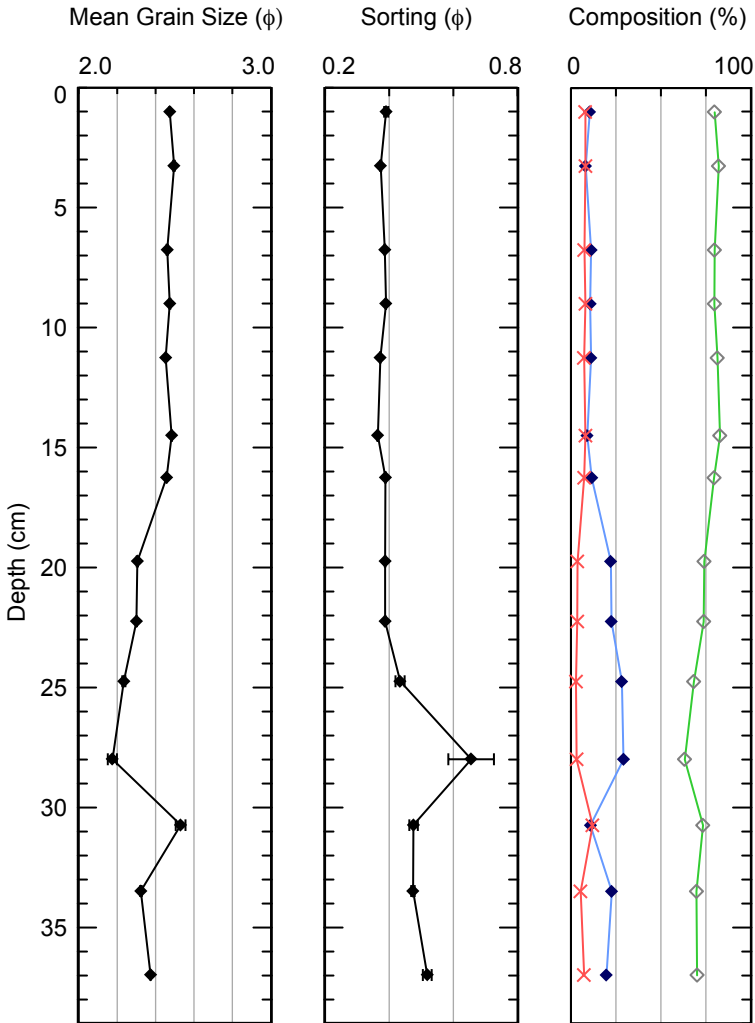
Fine sand

Very fine sand

Lithology

Sand

Shell fragments



Core ID: 13BIM05-25

Latitude:

29.88717 N

Elevation:

0.786 m

Longitude:

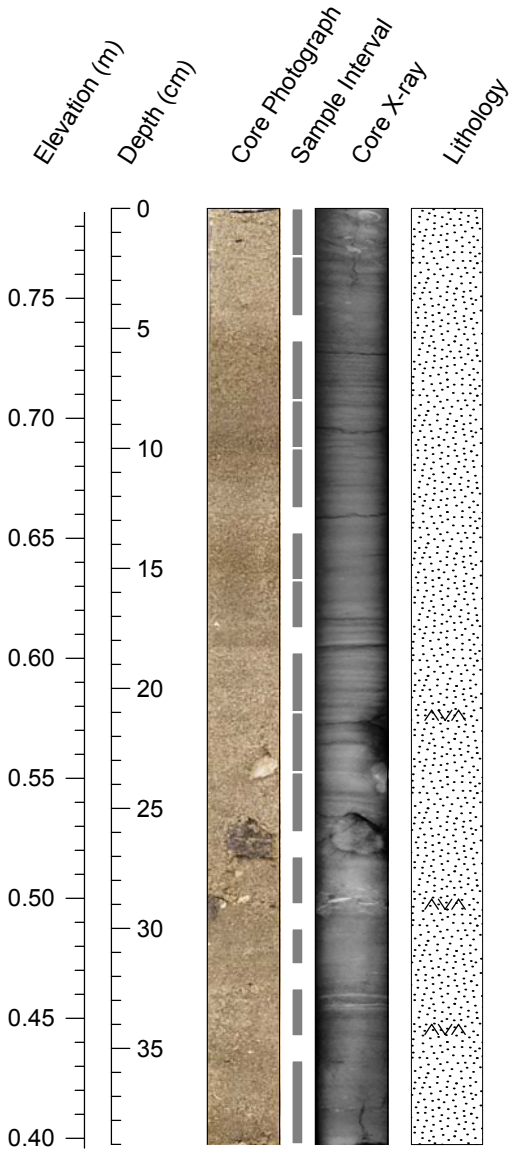
-88.82614 W

Core Length:

39.0 cm

Location:

T9 (inner island)



Lithologic Description

0 - 39.0 cm: SAND, light olive-brown, well-sorted, fine-grained quartz sand with faint horizontal bedding and sporadic, disseminated shell fragments from 21.0 to 39.0 cm

EXPLANATION

Sediment composition

◆

Medium and coarse sand

◇

Fine sand

×

Very fine sand

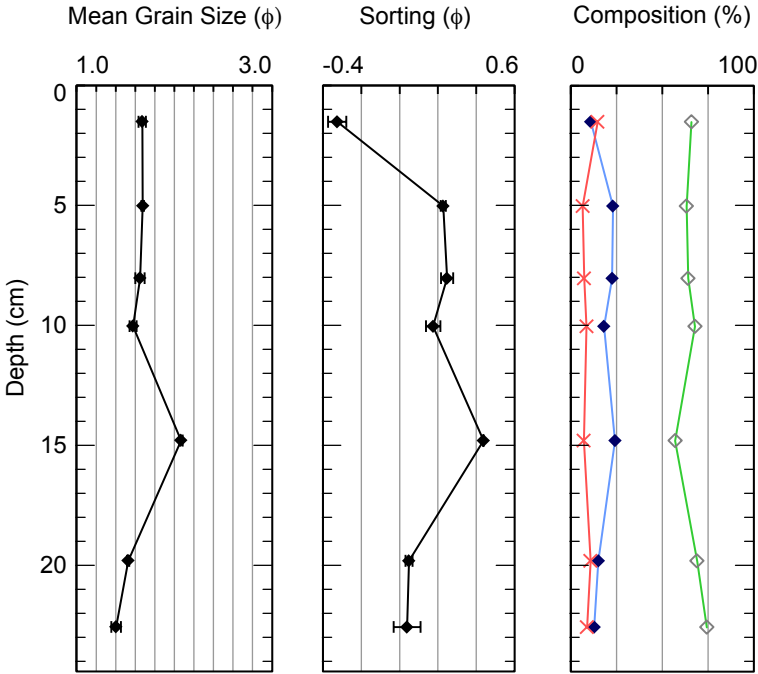
Lithology

▤

Sand

∧∧

Shell fragments



Latitude:

29.88756 N

Elevation:

0.255 m

Longitude:

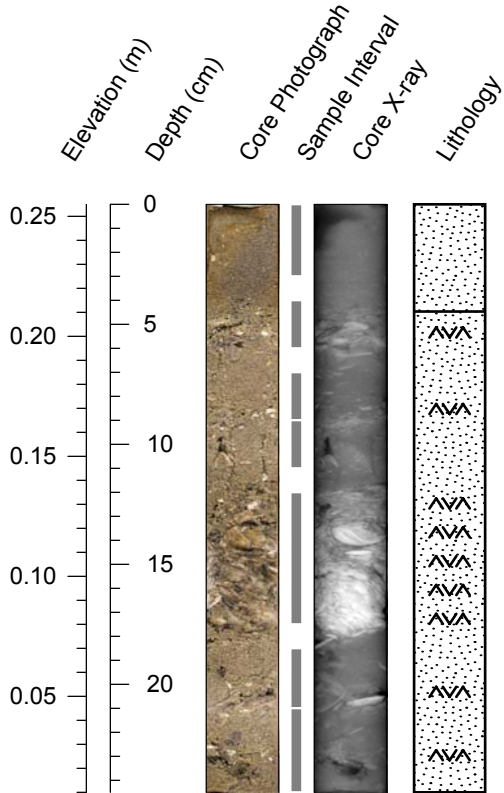
-88.82820 W

Core Length:

24.5 cm

Location:

T9 (sound side)



Lithologic Description

0 - 4.5 cm: SAND, dark, olive-gray, fine-grained, silty sand with no visible shell material

4.5 - 24.5 cm: SAND, olive-brown, well-sorted, fine-grained, mottled, shelly sand with heavier shell content from 13.0 to 18.0 cm