

## Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II

Date: 6-12-24

Weather: 60s sunny

Logged By: CC

Location ID: SC1301

Attempt No.: 2

Core Type: Intertidal Subtidal Shoaling

Field Staff: CC

## Field Collection Coordinates:

Lat/Northing:

Long/Easting: 1268883.13

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: - 25.4 ft

## B. Tide Level Measurement

Time: 1406

Height: ~~+2.00~~ + 2.13

Source: RTR

## C. Mudline Elevation

-23.2 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft

2. Penetration Depth: 12.50 ft

3. Headspace Measurement: 9.35 ft

4. Field Recovery Depth: 10.65 ft

5. Field Recovery Percentage: 85.2%

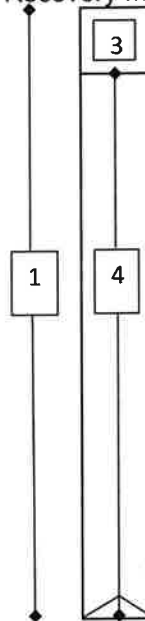
6. Core Accepted: Yes / No

7. Processing Recovery Depth: 11.90 ft

8. Adjusted Recovery Percentage: 95.2%

Drive Notes: Refusal at 12.5 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-L  
B: See core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: to -40 ft MLLW.  $-40 - (-23.2) = 16.8$  ft  
accepted despite  $< 16.8$  ft drive because refusal depth was  
consistent with attempt 1.

# Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II  
Date: 6/14/24  
Weather: 50s, overcast  
Logged By: KM

Location ID: SC1302  
Attempt No.: 1  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 203090.66

Long/Easting: 1268938.18

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: - 26.9 ft

## B. Tide Level Measurement

Time: 0754  
Height: +3.73 ft  
Source: KTK

## C. Mudline Elevation

- 23.0 (ft MLLW)

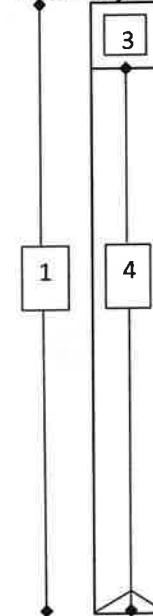
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 16.00 ft
3. Headspace Measurement: 8.60 ft
4. Field Recovery Depth: 11.40 ft
5. Field Recovery Percentage: 71.3%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 12.18 ft
8. Adjusted Recovery Percentage: 76.1%

## Drive Notes:

Free drive to refusal @ 16 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-0  
B: See core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -40 ft MLLW  
process attempt 1 (best of 3)

## Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II

Date: 6.12.24

Weather: 60s sunny

Logged By: CC

Location ID: SC1303

Attempt No.: 1

Core Type: Intertidal (Subtidal) Shoaling

Field Staff: CC

## Field Collection Coordinates:

Lat/Northing: 203013.80

Long/Easting: 1268977.15

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: - 22.7 ft

## B. Tide Level Measurement

Time: 1434

Height: + 1.16 ft

Source: RTE

## C. Mudline Elevation

- 21.5 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 3.00 ft

3. Headspace Measurement: 5.25 ft

4. Field Recovery Depth: 2.75 ft

5. Field Recovery Percentage: 91.6%

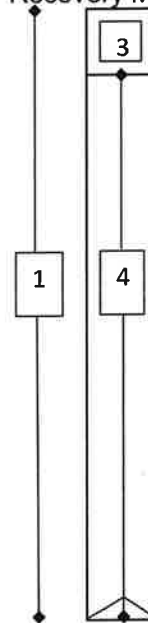
6. Core Accepted: (Yes) / No

7. Processing Recovery Depth: 3.00 ft

8. Adjusted Recovery Percentage: 100%

Drive Notes: easy drive.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-60cm

B: \_\_\_\_\_

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 2ft core (0-60).

## Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II

Date: 5/24/24Weather: 50, rainLogged By: KMLocation ID: SC1309Attempt No.: 2Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 202764.79Long/Easting: 1269115.06

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -17.9 ft

## B. Tide Level Measurement

Time: 1304Height: -1.81 ftSource: RTK

## C. Mudline Elevation

-19.7 (ft MLLW)

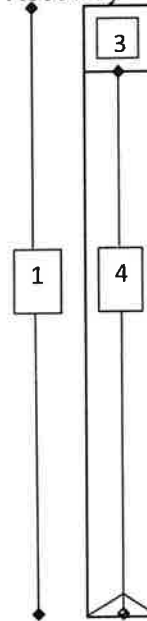
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 11.00 ft3. Headspace Measurement: 1.30 ft4. Field Recovery Depth: 10.70 ft5. Field Recovery Percentage: 97.316. Core Accepted: (Yes) / No7. Processing Recovery Depth: 10.28 ft8. Adjusted Recovery Percentage: 93.5%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-JB: See CoreC: processing logD:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:



# Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II  
Date: 6-21-24  
Weather: 70s sunny  
Logged By: CC

Location ID: SC1310  
Attempt No.: 2  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: CC

## Field Collection Coordinates:

Lat/Northing: 202681.49

Long/Easting: 1269127.50

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: — 13.5 ft

## B. Tide Level Measurement

Time: 1004  
Height: -1.63 ft  
Source: RTK

## C. Mudline Elevation

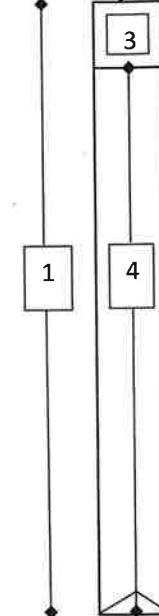
-17.1 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 10.00 ft
3. Headspace Measurement: 2.40 ft
4. Field Recovery Depth: 9.60 ft
5. Field Recovery Percentage: 96.0%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 9.69 ft
8. Adjusted Recovery Percentage: 96.9%

Drive Notes: smooth to refusal at 10ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-I  
B: See core processing log  
C:  
D:

Shoe Description: sand

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft core

## Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II  
Date: 7.8.2024  
Weather: sun. 70s  
Logged By: SR

Location ID: SC1311  
Attempt No.: 4  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: SR

Field Collection Coordinates:  
Lat/Northing: 202622.94

Long/Easting: 1269156.07

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -18.4 ft

## B. Tide Level Measurement

Time: 0933  
Height: 6.00 ft  
Source: RTR

## C. Mudline Elevation

-12.4 (ft MLLW)

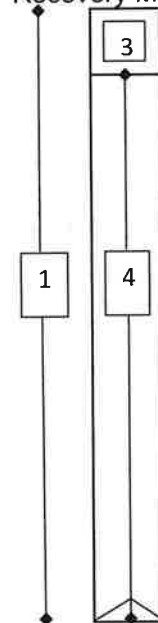
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft
2. Penetration Depth: ~~2.00~~ 2.10 ft
3. Headspace Measurement: 8.30 ft
4. Field Recovery Depth: 1.70 ft
5. Field Recovery Percentage: 80.9%
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 1.57 ft
8. Adjusted Recovery Percentage: 74.8%

## Drive Notes:

drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-44.9cm

B:

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 2 ft (0-60cm short core)

## Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II

Date: 7-8-2024Weather: sun, 70sLogged By: SPLocation ID: SC1312Attempt No.: 3Core Type: Intertidal Subtidal ShoalingField Staff: SP

## Field Collection Coordinates:

Lat/Northing: 202619.26Long/Easting: 1269194.14

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -10.5 ft

## B. Tide Level Measurement

Time: 1053Height: 2.43 ftSource: RTK

## C. Mudline Elevation

-8.1 (ft MLLW)

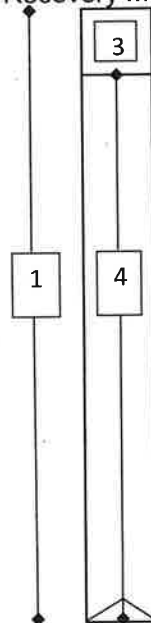
## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft2. Penetration Depth: 7.00 ft3. Headspace Measurement: 8.00 ft4. Field Recovery Depth: 7.00 ft5. Field Recovery Percentage: 100%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 7.23 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

steady drive to refusal.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-FB: SA coreC: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -21 ft MLLW (12.9 ft core)drive to -15.1 ft MLLW Accepted best of 3 attempts.

## Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II

Location ID: 1T1318Date: 6.26.24Attempt No.: 3Weather: 60s sun<sup>c</sup> cloudyCore Type: Intertidal Subtidal ShoalingLogged By: ccField Staff: CC KM

## Field Collection Coordinates:

Lat/Northing: 202877.72Long/Easting: 1269418.56

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: - 5.5 ft

## B. Tide Level Measurement

Time: 1230Height: + 2.02 ftSource: RTK

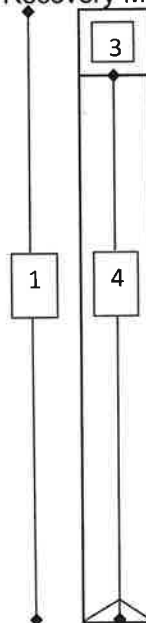
## C. Mudline Elevation

- 3.48 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft2. Penetration Depth: 5.50 ft3. Headspace Measurement: 5.70 ft4. Field Recovery Depth: 4.30 ft5. Field Recovery Percentage: 78.2%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 4.04 ft ft8. Adjusted Recovery Percentage: 73.5%Drive Notes: hard drive for whole drive.

Recovery Measurements (prior to cuts)



Core Sections To Process:

A: A-EB: See coreC: processing log

D: \_\_\_\_\_

Shoe Description: gravel in shoe.

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core.



## Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II

Date: 5/24/24Weather: SOS, overcastLogged By: KMLocation ID: SC1320Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 202931.91Long/Easting: 1269376.55

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -13.3 ft

## B. Tide Level Measurement

Time: 1049Height: -0.97 ftSource: RTK

## C. Mudline Elevation

-14.3 (ft MLLW)

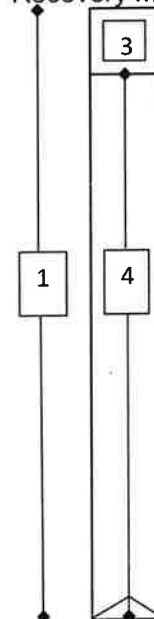
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 11.00 ft3. Headspace Measurement: 4.20 ft4. Field Recovery Depth: 7.80 ft5. Field Recovery Percentage: 70.9%6. Core Accepted: Yes No KM7. Processing Recovery Depth: 7.45 ft8. Adjusted Recovery Percentage: 67.7%

## Drive Notes:

hard drive w/ resistance to 11 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-JB: See coreC: processing logD:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

process attempt 1 (best of 3)

# Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II  
Date: 5/24/24  
Weather: 50, rain  
Logged By: KM

Location ID: SC1321  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 202991.87

Long/Easting: 1269331.13

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -19.1 ft

## B. Tide Level Measurement

Time: 1342  
Height: -0.71 ft  
Source: RTK

## C. Mudline Elevation

-1269331.13 (ft MLLW)  
-19.8

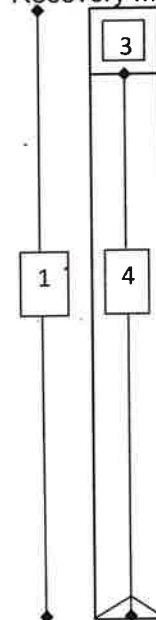
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 11.40 ft
3. Headspace Measurement: 0.70 ft
4. Field Recovery Depth: 11.30 ft
5. Field Recovery Percentage: 99.17
6. Core Accepted: Yes No
7. Processing Recovery Depth: 9.75 ft
8. Adjusted Recovery Percentage: 85.5%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A - JTI  
B: See core in processing log  
C: \_\_\_\_\_  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

## Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II

Date: 6/14/21Weather: 50s, overcastLogged By: KMLocation ID: SC1323Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat (Northing) 202527.30Long (Easting) 1268971.65

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -34.4 ft

## B. Tide Level Measurement

Time: 0958Height: +5.23 ftSource: RTK

## C. Mudline Elevation

-29.2 (ft MLLW)

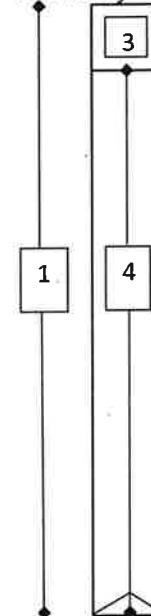
## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft2. Penetration Depth: 11.60 ~~13.00~~ ft3. Headspace Measurement: 3.40 ft4. Field Recovery Depth: 11.60 ft5. Field Recovery Percentage: 89.2%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 11.96 ft8. Adjusted Recovery Percentage: 92.0%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-KB: See coreC: processing log

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -41 ft MLLWshoal: -29.2 ft to -30.0 ft : 0.8 ft

## Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II

Date: 6/19/24Weather: 50s, sunLogged By: KMLocation ID: SC1324Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 202402.61Long/Easting: 1268905.94

## A. Water Depth

DTM Depth Sounder:      ftDTM Lead Line: -29.0 ft

## B. Tide Level Measurement

Time: 0856Height: -0.26 ftSource: RTK

## C. Mudline Elevation

-29.3 (ft MLLW)

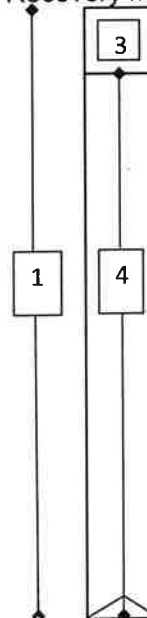
## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft2. Penetration Depth: 13.00 ft3. Headspace Measurement: 5.20 ft4. Field Recovery Depth: 9.80 ft5. Field Recovery Percentage: 75.4%6. Core Accepted: Yes / No7. Processing Recovery Depth: 9.93 ft8. Adjusted Recovery Percentage: 76.4%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-K  
B: See core processing log  
C: log  
D:     

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -41 ft MLLWShoal: -29.3 ft to -30.0 ft MLLW: 0.7 ft



# Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II  
Date: 6/19/24  
Weather: 50s, sun  
Logged By: KM

Location ID: SC1325  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 202432.33

Long/Easting: 1269008.53

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -27.0 ft

## B. Tide Level Measurement

Time: 0812  
Height: +0.99 ft  
Source: RTK

## C. Mudline Elevation

-26.0 (ft MLLW)

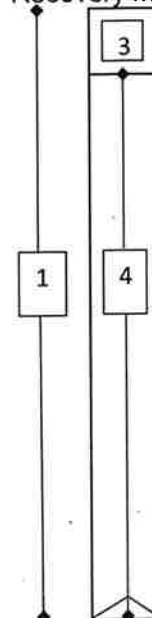
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 16.50 ft
3. Headspace Measurement: 3.90 ft
4. Field Recovery Depth: 16.10 ft
5. Field Recovery Percentage: 97.6%
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 16.58 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A - \$N  
B: See core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -41 ft MLLW  
Shoal: -26.0 ft to -30.0 ft MLLW: 4 ft

## Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II

Date: 6/18/24Weather: SOS, overcastLogged By: KMLocation ID: SC1326Attempt No.: 3Core Type: Intertidal (Subtidal) ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 202463.69Long/Easting: 1269076.90

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -22.8 ft

## B. Tide Level Measurement

Time: 0918Height: -0.37 ftSource: ICLK

## C. Mudline Elevation

-23.2 (ft MLLW)

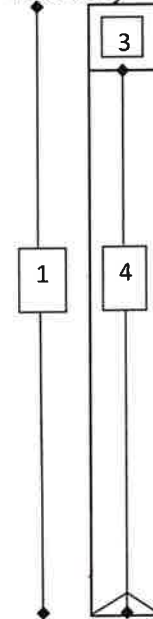
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 19.00 ft3. Headspace Measurement: 2.80 ft 2.20 ft4. Field Recovery Depth: 17.80 ft5. Field Recovery Percentage: 93.7%6. Core Accepted (Yes) No7. Processing Recovery Depth: 18.45 ft8. Adjusted Recovery Percentage: 97.1%

## Drive Notes:

free drive to 19 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A - RB: See coreC: processing logD:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 19 ft core

# Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II  
Date: 6/14/24  
Weather: 50s partly cloudy  
Logged By: KM

Location ID: SC1327  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 202219.80

Long/Easting: 1268962.20

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -32.2 ft

## B. Tide Level Measurement

Time: 1113  
Height: +6.18 ft  
Source: RTK

## C. Mudline Elevation

-26.0 (ft MLLW)

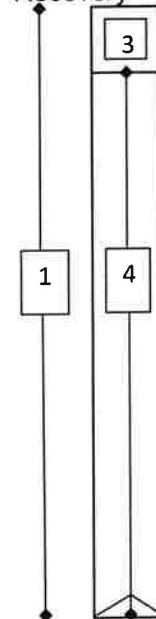
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 16.00 ft
3. Headspace Measurement: 4.10 ft
4. Field Recovery Depth: 15.90 ft
5. Field Recovery Percentage: 99.41
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 16.35 ft
8. Adjusted Recovery Percentage: 100.01

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-N  
B: See core processing log  
C:         
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

Target: -41 ft MLLW  
Shoal: -26.0 ft to -30.0 ft : 4 ft

## Sediment Core Collection Form

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Project: LDW AOC5 MR Phase II

Date: 6/17/24Weather: 50s, overcastLogged By: KMLocation ID: SC1328Attempt No.: 1Core Type: Intertidal ☒ Subtidal ☐ Shoaling ☐Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 202240.88Long/Easting: 1269063.13

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: - 22.7 ft

## B. Tide Level Measurement

Time: 1130Height: + 3.22 ftSource: RTK

## C. Mudline Elevation

- 24.5 (ft MLLW)

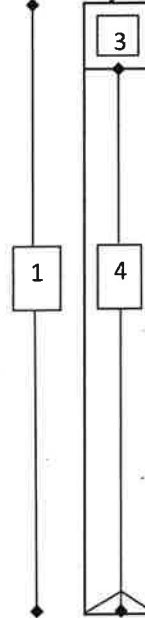
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 18.00 ft3. Headspace Measurement: 5.80 ft4. Field Recovery Depth: 14.20 ft5. Field Recovery Percentage: 78.9%6. Core Accepted: ☒ Yes ☐ No7. Processing Recovery Depth: 15.46 ft 14.87 ft8. Adjusted Recovery Percentage: 86.3% 82.6%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A - P, NB: See coreC: processing logD:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: - 41 ft MLLWshoal: - 24.5 ft to - 30.0 ft MLLW : 5.5 ft



## Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II

Location ID: SC1329Date: 8/2/24Attempt No.: 3Weather: 60s. sunCore Type: Intertidal Subtidal ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 202283.11Long/Easting: 1269146.80

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -15.1 ft

## B. Tide Level Measurement

Time: 0850Height: +3.49 ftSource: KTK

## C. Mudline Elevation

-11.6 (ft MLLW)

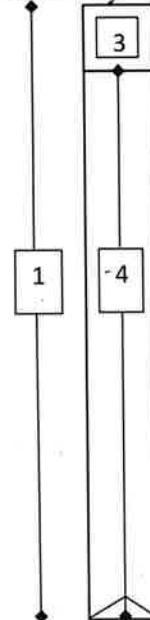
## Core Collection Recovery Details:

1. Core Tube Length: 19.35 ft2. Penetration Depth: 10.40 ft3. Headspace Measurement: 9.25 ft4. Field Recovery Depth: 10.10 ft5. Field Recovery Percentage: 97.116. Core Accepted: Yes No7. Processing Recovery Depth: 10.75 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive to hard refusalbubbles raising to surface during sampling

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-JB: See coreC: processingD: log

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 20 ft core (19 ft ok)process attempt 3 (best of 3)

## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Date: 6.11.24

Weather: 50s cloudy

Logged By: CC

Location ID: 1T1330

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: CC

## Field Collection Coordinates:

Lat/Northing: 202364.69

Long/Easting: 1269206.67

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: - 8.58 ft

## B. Tide Level Measurement

Time: 0906

Height: + 8.28 ft

Source: RTK

## C. Mudline Elevation

- 0.2 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 3.50 ft

3. Headspace Measurement: 5.35 ft

4. Field Recovery Depth: 2.65 ft

5. Field Recovery Percentage: 75.7%

6. Core Accepted: (Yes) / (No) cc

7. Processing Recovery Depth: 2.80 ft

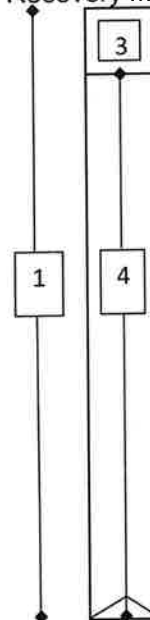
8. Adjusted Recovery Percentage: 80.0%

Drive Notes: Hard for first foot, then

easy, then retrieval at 3.5 ft.

Void visible at bottom of core.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-C

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core.

accepted best of 3 attempts.

## Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II  
Date: 8/2/24  
Weather: 70s, Sun  
Logged By: KM

Location ID: SS1331  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 202195.89Long/Easting: 1269200.71

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -10.0 ft

## B. Tide Level Measurement

Time: 0926Height: +2.47 ftSource: RTK

## C. Mudline Elevation

-7.5 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 2.00 ft3. Headspace Measurement: 6.50 ft4. Field Recovery Depth: 1.50 ft5. Field Recovery Percentage: 75.0%6. Core Accepted: (Yes) / No

7. Processing Recovery Depth: \_\_\_\_\_ ft

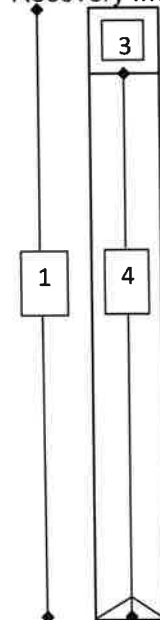
8. Adjusted Recovery Percentage: \_\_\_\_\_

## Drive Notes:

free drive

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: not processed  
B: Sufficient amount  
C: of sample for  
D: other 2 samples

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: short core for top 0-10 cm

# Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II  
Date: 8/2/24  
Weather: 60s, sun  
Logged By: KM

Location ID: SS/331  
Attempt No.: 1  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 202196.78

Long/Easting: 1269202.55

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -9.7 ft

## B. Tide Level Measurement

Time: 0915  
Height: +2.70 ft  
Source: RTK

## C. Mudline Elevation

-7.0 (ft MLLW)

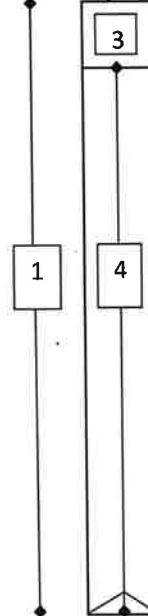
## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft
2. Penetration Depth: 2.20 ft
3. Headspace Measurement: 3.20 ft
4. Field Recovery Depth: 1.80 ft
5. Field Recovery Percentage: 81.8%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 1.85 ft
8. Adjusted Recovery Percentage: 84.1%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-8.4cm

B:       

C:       

D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: short core for <sup>top</sup> 0-10 cm



# Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II  
Date: 8/2/24  
Weather: 70s, sun  
Logged By: KM

Location ID: SS1331  
Attempt No.: 3  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 202191.78

Long/Easting: 126 9200.45

**A. Water Depth**  
DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -10.1 ft

**B. Tide Level Measurement**  
Time: 1025  
Height: +1.90 ft  
Source: RTK

**C. Mudline Elevation**  
-8.2 (ft MLLW)

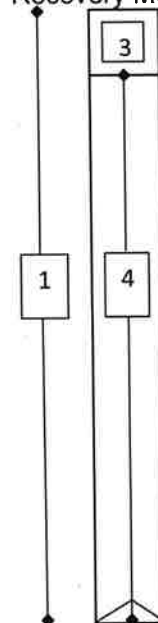
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 2.40 ft
3. Headspace Measurement: 6.00 ft
4. Field Recovery Depth: 2.00 ft
5. Field Recovery Percentage: 83.3%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 2.23 ft
8. Adjusted Recovery Percentage: 92.9%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-9.3cm

B: \_\_\_\_\_

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: shoot core for top 0-10 cm

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/30/24  
Weather: 50s, pretty sunny  
Logged By: km

Location ID: SC1333  
Attempt No.: 1  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: km

Field Collection Coordinates:  
Lat/Northing: 202091.21

Long/Easting: 1268913.85

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -22.5 ft

## B. Tide Level Measurement

Time: 1429  
Height: +2.82 ft  
Source: RTK

## C. Mudline Elevation

-19.7 (ft MLLW)

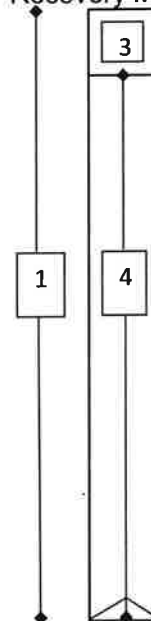
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 3.50 ft
3. Headspace Measurement: 4.80 ft
4. Field Recovery Depth: 3.20 ft
5. Field Recovery Percentage: 91.4%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 13.15cc 3.30 ft
8. Adjusted Recovery Percentage: 90.10 x cc 94.3%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-H 0-56.6cm  
B: See core processing log cc  
C: \_\_\_\_\_  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-60 cm

# Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II  
Date: 5/30/24  
Weather: 40s, overcast  
Logged By: km

Location ID: SC1334  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: km

Field Collection Coordinates:  
Lat/Northing: 201998.12

Long/Easting: 1268998.38

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -24.9 ft

## B. Tide Level Measurement

Time: 0830  
Height: +5.92 ft  
Source: RTG

## C. Mudline Elevation

-19.0 (ft MLLW)

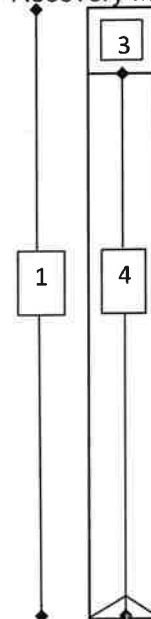
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 14.60 ft
3. Headspace Measurement: 10.50 ft
4. Field Recovery Depth: 9.50 ft
5. Field Recovery Percentage: 65.1%
6. Core Accepted: Yes ~~No~~ km
7. Processing Recovery Depth: 10.20 ft
8. Adjusted Recovery Percentage: 69.9%

## Drive Notes:

resistance @ 12 ft to refusal @  
14.6 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-N  
See core  
B: processing  
C: log  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target depth: 19 ft  
process attempt 2 (best of 3)

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/28/24Weather: SDS, rainLogged By: KMLocation ID: SC1357 <sup>KM</sup> SC1335Attempt No.: 1Core Type: Intertidal ☒ Subtidal ☐ Shoaling ☐Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 202024.14Long/Easting: 1269072.13

## A. Water Depth

DTM Depth Sounder:          ftDTM Lead Line: -4.9 - 296 ft  
KM

## B. Tide Level Measurement

Time: 1139Height: +5.15 km +4.01 ftSource: RTK

## C. Mudline Elevation

-6.8 - 25.6 (ft MLLW)  
KM

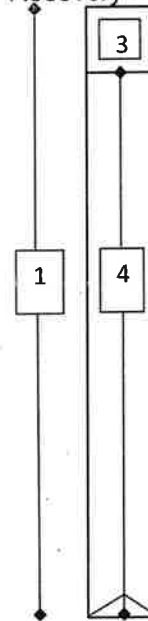
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 19.00 ft3. Headspace Measurement: 1.50 ft4. Field Recovery Depth: 18.50 ft5. Field Recovery Percentage: 97.4%6. Core Accepted: ☒ Yes ☐ No7. Processing Recovery Depth: 19.51 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-PB: See coreC: processing logD:         

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

Shear: -25.6 ft to -30.0 ft : 4.4 ft  
AVtarget = -41 ft MLLW



# Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II  
Date: 5/36/24  
Weather: 50s, partly sunny  
Logged By: KM

Location ID: SC1336  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 202052.40

Long/Easting: 1269133.78

## A. Water Depth

DTM Depth Sounder:        ft

DTM Lead Line: -30.2 ft

## B. Tide Level Measurement

Time: 1310

Height: +4.99 ft

Source: RTK

## C. Mudline Elevation

-25.2 (ft MLLW)

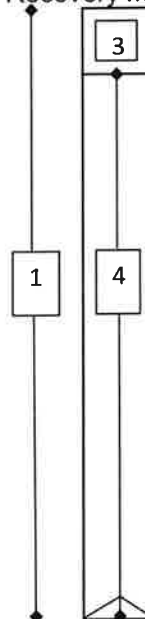
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 11.00 ft
3. Headspace Measurement: 12.60 ft
4. Field Recovery Depth: 7.40 ft
5. Field Recovery Percentage: 67.3%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 13.15 8.00 ft
8. Adjusted Recovery Percentage: 90.1% 72.7%

## Drive Notes:

Slow drive to refusal @ 12 11 ft  
KM

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-H see core processing  
B: log  
C: A-G see core processing  
D: log

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -41 ft mllw (actual: -36.2 ft mllw)  
Compact fine sand in bottom of core  
Shoal: -25.2 ft to -30.0 ft = 4.8 ft

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: SC1337Date: 8/2/24Attempt No.: 1Weather: 70s, sunCore Type: Intertidal (Subtidal) ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 202081.44Long/Easting: 1269222.22

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -16.0 ft

## B. Tide Level Measurement

Time: 0946Height: +2.09 ftSource: RTK

## C. Mudline Elevation

-13.9 (ft MLLW)

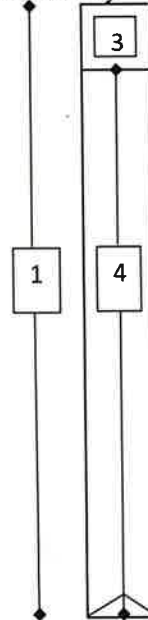
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 20.00 ft3. Headspace Measurement: 0.10 ft4. Field Recovery Depth: 19.90 ft5. Field Recovery Percentage: 99.516. Core Accepted: (Yes) No7. Processing Recovery Depth: 20.00 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive to 18 ft, then resistance to 20 ft  
bubbles raising to surface while sampling

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A - KASB: 500 coreC: processing log

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 20 ft core (19 ft OK)

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: SC1338Date: 5/21/24Attempt No.: 1Weather: 50, rainCore Type: Intertidal Subtidal ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201789.63Long/Easting: 1269169.09

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -19.0 ft

## B. Tide Level Measurement

Time: 1217Height: + 0.81 ftSource: RTK

## C. Mudline Elevation

- 18.2 (ft MLLW)

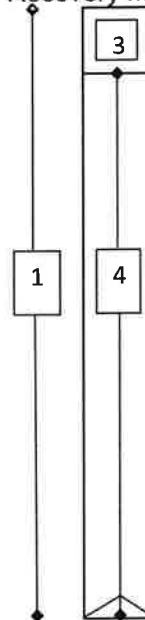
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 19.50 ft3. Headspace Measurement: 1.60 ft4. Field Recovery Depth: 18.40 ft5. Field Recovery Percentage: 94.4%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 8.6 @ 19.55 ft8. Adjusted Recovery Percentage: 96.3% 100%

## Drive Notes:

Free drive to 11 ft, some resistance  
from 11-19.5 ft

Recovery Measurements (prior to cuts)



Core Sections To Process:

A: A-SB: See coreC: processing logD:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

Targeted 19 ft per S. Replinger (actual target: 20 ft)

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/30/21Weather: 50s, overcastLogged By: KMLocation ID: SL1339Attempt No.: 1Core Type: Intertidal (Subtidal) (Shoaling)Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201825.76Long/Easting: 1269213.73

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: - 30.0 ft

## B. Tide Level Measurement

Time: 1144Height: +6.73 ftSource: RTK

## C. Mudline Elevation

- 23.3 (ft MLLW)

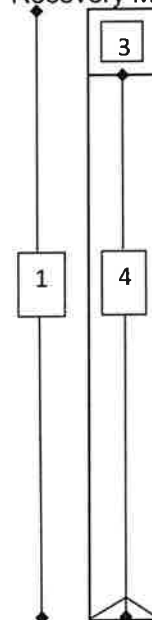
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 14.60 ft3. Headspace Measurement: 7.10 ft4. Field Recovery Depth: 12.90 ft5. Field Recovery Percentage: 88.4%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 13.15 ft8. Adjusted Recovery Percentage: 90.1%

## Drive Notes:

slow drive to refusal @ 14.6 ft, fine  
sand noted at end of core

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-H see  
core processingB: logC:       D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -41 ft MLLW (actual = -37.9 ft MLLW)  
depth of refusal consistent with other locations in same area so not  
trying for additional attempts  
Shoal: -23.3 to -30.0 ft = 6.7 ft



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 7/9/24  
Weather: 90, sun  
Logged By: KM

Location ID: SC1340  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 201909.38

Long/Easting: 1269277.82

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: - 20.3 ft

## B. Tide Level Measurement

Time: 1409  
Height: -0.23 ft  
Source: RTK

## C. Mudline Elevation

-20.5 (ft MLLW)

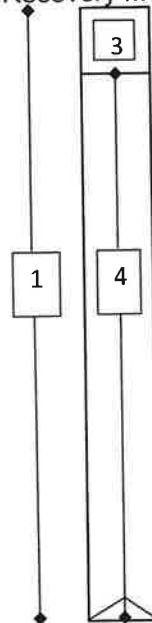
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft  
2. Penetration Depth: 19.00 ft  
3. Headspace Measurement: 4.60 ft  
4. Field Recovery Depth: 15.40 ft  
5. Field Recovery Percentage: 81.1%  
6. Core Accepted: (Yes) / No  
7. Processing Recovery Depth: 15.65 ft  
8. Adjusted Recovery Percentage: 82.4%

## Drive Notes:

Free drive to 17 ft, then very slow  
drive to 19 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-L  
B: See core  
C: processing log  
D: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -41 ft MLLW  
Shoal: -20.5 ft to -30.0 ft MLLW: 9.5 ft

# Sediment Core Collection Form

Page 1 of 2

Project: LDW AOC5 MR Phase II

Date: 7/16/24

Weather: 80s, SW

Logged By: KCM

Location ID: SC1341

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: KCM

## Field Collection Coordinates:

Lat/Northing: 201819.49

Long/Easting: 1269388.66

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -17.1 ft

## B. Tide Level Measurement

Time: 1408

Height: +0.74 ft

Source: RTK

## C. Mudline Elevation

-16.4 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 25.00 ft

2. Penetration Depth: 23.00 ft

3. Headspace Measurement: 6.60 ft

4. Field Recovery Depth: 18.40 ft

5. Field Recovery Percentage: 80.0%

6. Core Accepted: Yes / No

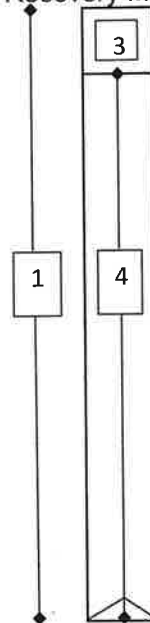
7. Processing Recovery Depth: 19.17 ft

8. Adjusted Recovery Percentage: 83.3%

## Drive Notes:

Free drive to refusal @ 23 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-K  
B: see processing  
C: log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -41 ft MLLW

collected from Gl. bal barge

shoal: -16.4 ft to -30.0 ft MLLW: 13.6 ft

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 6/17/24

Weather: 50s, overcast

Logged By: KM

Location ID: SC1342

Attempt No.: 2

Core Type: Intertidal (Subtidal) Shoaling

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201638.08

Long/Easting: 1269292.89

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -18.0 ft

## B. Tide Level Measurement

Time: 1026

Height: +1.77 ft

Source: RTK

## C. Mudline Elevation

-16.2 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft

2. Penetration Depth: 17.50 ft

3. Headspace Measurement: 5.30 ft

4. Field Recovery Depth: 14.70 ft

5. Field Recovery Percentage: 84.0 %

6. Core Accepted: (Yes) / No

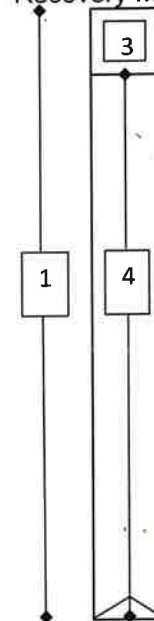
7. Processing Recovery Depth: 15.46 ft

8. Adjusted Recovery Percentage: 88.3 %

## Drive Notes:

hit resistance at 10.5 ft then slow  
drive + refusal @ 17.5 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-P

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 19 ft core

accepted based on depth of refusal consistent with other cores in this area

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Location ID: SC1343Date: 6/14/24Attempt No.: 2Weather: 6/5, overcastCore Type: Intertidal Subtidal ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201691.15Long/Easting: 1269337.00

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: - 32.0 ft

## B. Tide Level Measurement

Time: 1343Height: + 5.89 ftSource: RTK

## C. Mudline Elevation

- 26.1 (ft MLLW)

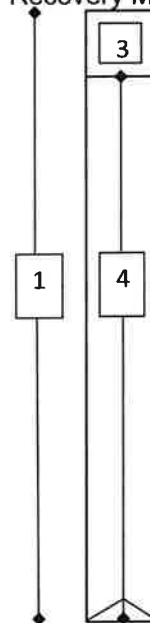
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 12.00 ft3. Headspace Measurement: 7.80 ft4. Field Recovery Depth: 12.20 ft5. Field Recovery Percentage: 101.7%6. Core Accepted: Yes / No7. Processing Recovery Depth: 12.59 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive to refusal @ 12 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-JB: See coreC: processing log

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

- 41 ft MLLW targetShoal: -26.1 ft to -30.0 ft : 3.9 ftprocess attempt 2 (best of 2) based on refusal consistent w/ other nearby locations (3rd attempt not made)



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/30/24  
Weather: 50s, overcast  
Logged By: KM

Location ID: SC1344  
Attempt No.: 1  
Core Type: Intertidal ☒ Subtidal ☐ Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 201724.95

Long/Easting: 1269428.26

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: - 29.5 ft

## B. Tide Level Measurement

Time: 1028  
Height: + 7.02 ft  
Source: RTK

## C. Mudline Elevation

- 22.5 (ft MLLW)

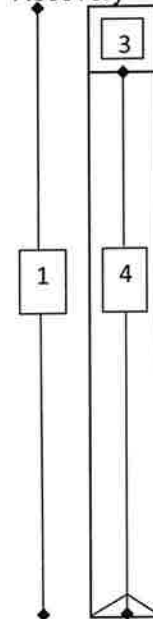
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 19.00 ft
3. Headspace Measurement: 3.20 ft
4. Field Recovery Depth: 16.80 ft
5. Field Recovery Percentage: 88.4%
6. Core Accepted: ☒ Yes ☐ No
7. Processing Recovery Depth: 17.96 ft
8. Adjusted Recovery Percentage: 94.5%

## Drive Notes:

free drive to resistance @ 12 ft to end

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-M  
see core  
B: processing  
log  
C:         
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -41 ft MLLW (achieved)  
shoal: -22.5 to -30 ft = 7.5 ft

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 7.15.2024

Weather: overcast 60s

Logged By: SR

Location ID: SC1345

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: SR, HS

## Field Collection Coordinates:

Lat/Northing: 201468.43

Long/Easting: 1269463.27

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -19.3 ft

## B. Tide Level Measurement

Time: 0955

Height: +4.19 ft

Source: RTK

## C. Mudline Elevation

-15.1 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft

2. Penetration Depth: 19.00 ft

3. Headspace Measurement: 4.60 ft

4. Field Recovery Depth: 15.40 ft

5. Field Recovery Percentage: 81.1%

6. Core Accepted: (Yes) No

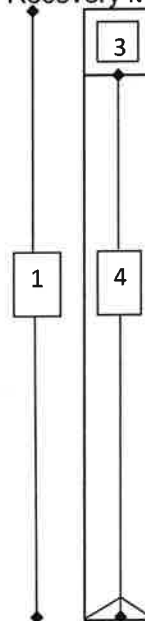
7. Processing Recovery Depth: 16.30 ft

8. Adjusted Recovery Percentage: 85.8%

## Drive Notes:

Steady drive to 12 ft  
then resistance to 19 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-R see  
core processing  
B: log

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 20 ft (19 ft ok)

## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Location ID: SC1346Date: 7/12/24Attempt No.: 1Weather: 70s sunCore Type: Intertidal ☒ Subtidal ☐ ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201506.36Long/Easting: 1269528.20

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -33.5 ft

## B. Tide Level Measurement

Time: 1303Height: +5.38 ftSource: RTK

## C. Mudline Elevation

-28.1 (ft MLLW)

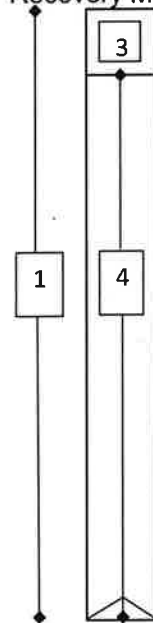
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 10.00 ft3. Headspace Measurement: 11.40 ft4. Field Recovery Depth: 8.60 ft5. Field Recovery Percentage: 86.0%6. Core Accepted: ☒ Yes ☐ No7. Processing Recovery Depth: 8.98 ft8. Adjusted Recovery Percentage: 89.8%

## Drive Notes:

Free drive to refusal @ 10 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-H seeB: core processing log

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shore Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -41 ft MLLWShoal: -28.1 ft to -30.0 ft MLLW: 1.9 ftprocess attempt 1 (best of 3)

# Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Location ID: SC1347

Date: 7/11/24

Attempt No.: 1

Weather: 70s, sun

Core Type: Intertidal ☒ Subtidal ☐ Shoaling ☐

Logged By: KM

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201567.60

Long/Easting: 1269600.67

### A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: ~23.9 ft

### B. Tide Level Measurement

Time: 1242

Height: +4.03 ft

Source: RTK

### C. Mudline Elevation

-19.9 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft

2. Penetration Depth: 16.50 ft

3. Headspace Measurement: 7.20 ft

4. Field Recovery Depth: 12.80 ft

5. Field Recovery Percentage: 77.6%

6. Core Accepted: ☒ Yes / No

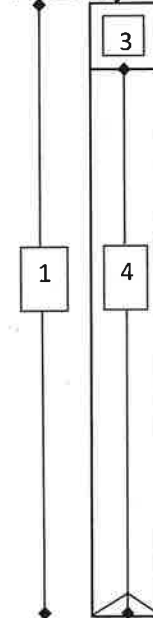
7. Processing Recovery Depth: 13.43 ft

8. Adjusted Recovery Percentage: 409.3% = 81.4%

### Drive Notes:

hard drive to refusal @ 16.5 ft

## Recovery Measurements (prior to cuts)



### Core Sections To Process:

A: A-H  
See core  
processing  
log

B:

C:

D:

Shoe Description: Wood debris

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -91 ft MLLW

process attempt 1 (best of 3 attempts)

Shoal: -19.9 ft to -30.0 ft MLLW: 10.1 ft



# Sediment Core Collection Form

Page 1 of 2

Project: LDW AOC5 MR Phase II

Location ID: SC1348

Date: 6.11.24

Attempt No.: 1

Weather: 50s cloudy

Core Type: Intertidal Subtidal Shoaling

Logged By: cc

Field Staff: cc

## Field Collection Coordinates:

Lat/Northing: 201925.86

Long/Easting: 1269341.06

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: ~~-10.8~~ -22.9 ft

## B. Tide Level Measurement

Time: 0748

Height: +8.47 ft

Source: RTK

## C. Mudline Elevation

-14.4 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: ~~20.00~~ 25.00 20.00 ft

2. Penetration Depth: 11.60 ft

3. Headspace Measurement: 7.85 ft

4. Field Recovery Depth: 12.15 ft

5. Field Recovery Percentage: ~~100.0~~ 104.7%

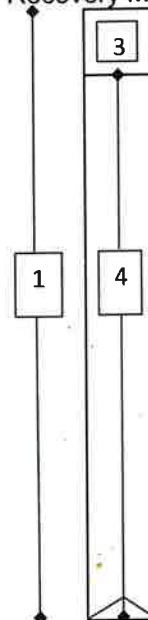
6. Core Accepted: Yes / No

7. Processing Recovery Depth: 12.77 ft

8. Adjusted Recovery Percentage: 100%

Drive Notes: Resistance past 11 ft, refusal at 11.6 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-L

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 19ft core.

accepted despite low drive due to similar refusal depth in other attempt and in other locations nearby (SC1350)

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 6.10.2024

Weather: overcast, 50s

Logged By: SR

Location ID: SC1350

Attempt No.: 2

Core Type: Intertidal Subtidal Shoaling

Field Staff: SR

## Field Collection Coordinates:

Lat/Northing: 201945.23

Long/Easting: 1269369.55

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: ~17.7 ft

## B. Tide Level Measurement

Time: 0620

Height: +8.63 ft

Source: RTK

## C. Mudline Elevation

-9.1 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 9.00 ft

3. Headspace Measurement: 2.60 ft

4. Field Recovery Depth: 9.40 ft

5. Field Recovery Percentage: 109.4%

6. Core Accepted: (Yes) / No

7. Processing Recovery Depth: 9.28 ft

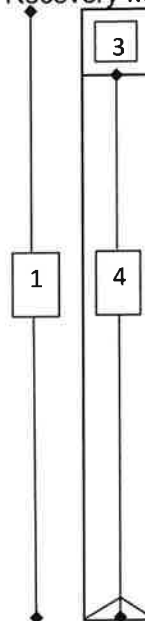
8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

easy drive until last ~12 inches.

then refusal at 9.4 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-H Seel

B: Core processing log

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 15 ft core

accepted best of 2 attempts b/c of similar refusal at nearby locations.

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 10-6-24Weather: 60s sunnyLogged By: CCLocation ID: 1T1351Attempt No.: 2Core Type: Intertidal Subtidal ShoalingField Staff: CC, SR, DS, LVB

## Field Collection Coordinates:

Lat/Northing: 201960.08Long/Easting: 1269392.41

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: 4.50 ft  
-0.8

## B. Tide Level Measurement

Time: 1059Height: -3.22 ftSource: RTK

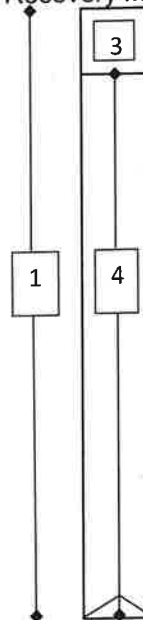
## C. Mudline Elevation

-3.9 (ft MLLW)-4.0

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 6.70 ft3. Headspace Measurement: 2.40 ft4. Field Recovery Depth: 5.60 ft5. Field Recovery Percentage: 83.6%6. Core Accepted: Yes / No7. Processing Recovery Depth: 5.25 ft8. Adjusted Recovery Percentage: 78.4%Drive Notes: hand vibrating, resistance  
at 1 ft then smooth after,  
then resistance at 6.7 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-FB: See coreC: processing log

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target depth 7.5 ft.  
accepted despite low drive due to hand vibrating  
limitations



## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: 1T1352

Date: 6/6/24

Attempt No.: 1

Weather: 60s sunny

Core Type: Intertidal Subtidal Shoaling

Logged By: CC

Field Staff: SR, CC, DS, LVB

## Field Collection Coordinates:

Lat/Northing: 201937.90

Long/Easting: 1269405.17

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: 3.1 ft

-2.1

## B. Tide Level Measurement

Time: 0940

Height: -1.90 ft

Source: RTK

## C. Mudline Elevation

-1.2 -3.9 (ft MLLW)

-4.0

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 6.60 ft

3. Headspace Measurement: 3.20 ft

4. Field Recovery Depth: 4.80 ft

5. Field Recovery Percentage: 72.3% 72.7

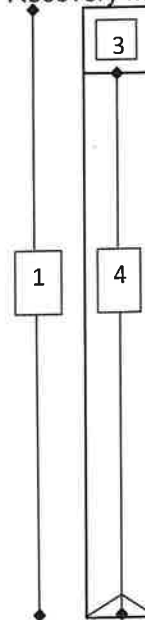
6. Core Accepted: Yes / No

7. Processing Recovery Depth: 4.64 ft

8. Adjusted Recovery Percentage: 70.3%

Drive Notes: hand vibrocore first 3 ft free drive, some resistance to end.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-F

B: See core processing log

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target depth 7.5 ft

start at 5.25 ft above dock, end 1 ft below dock → 6.6 ft

5.6"

accepted despite low drive and recovery due to limitations of hand vibrocore.



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/31/24  
Weather: 50s sunny  
Logged By: CC

Location ID: SC1353  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: CC, KK

Field Collection Coordinates:  
Lat/Northing: 201879.21

Long/Easting: 1269385.44

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -18.9 ft

## B. Tide Level Measurement

Time: 1128  
Height: +6.89 ft  
Source: RTR

## C. Mudline Elevation

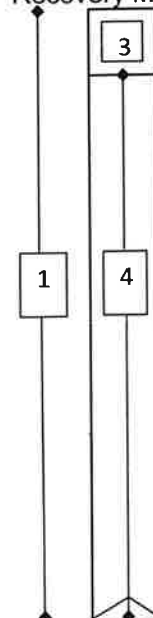
-12.0 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 19.40 ft
3. Headspace Measurement: 3.55 ft
4. Field Recovery Depth: 16.45 ft
5. Field Recovery Percentage: 84.8%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 17.24 ft
8. Adjusted Recovery Percentage: 88.9

Drive Notes: free drive some black sand at bottom.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-S  
B: See core  
C: Processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target depth 19 ft.

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 5/24/24Weather: 50s, overcastLogged By: H.6 KMLocation ID: SC1354Attempt No.: 2Core Type: Intertidal (Subtidal) ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201907.40Long/Easting: 1269412.24

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -11.6 ft

## B. Tide Level Measurement

Time: 0901Height: +3.94 ftSource: RTK

## C. Mudline Elevation

-7.7 (ft MLLW)

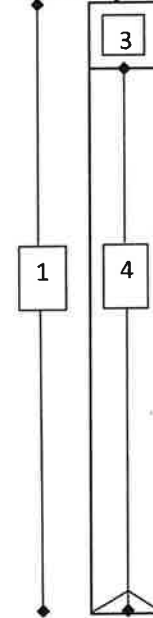
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 16.00 ft3. Headspace Measurement: 2.20 ft4. Field Recovery Depth: 17.80 ft5. Field Recovery Percentage: 111.3%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 18.30 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive to 12 ft, then hit resistance to 16.0 ft + refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-QB: See CoreC: Processing log

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

# Sediment Core Collection Form

Project: LDW AOC5 MR Phase II

Location ID: 1T1355

Date: 6/6/24

Attempt No.: 1

Weather: 60s sunny

Core Type: ☒ Intertidal ☐ Subtidal ☐ Shoaling

Logged By: CC

Field Staff: CC, SR, DS, CVB

## Field Collection Coordinates:

Lat/Northing: 201916.24

Long/Easting: 1269430.39

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: 4.2 ft

## B. Tide Level Measurement

Time: 0915

Height: 0.30 ft

Source: P-TK

## C. Mudline Elevation

-3.9 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: ~~8.00~~ 10.00 ft

2. Penetration Depth: 5.40 ft

3. Headspace Measurement: ~~3.40~~ 5.40 ft

4. Field Recovery Depth: 4.60 ft

5. Field Recovery Percentage: 85.2%

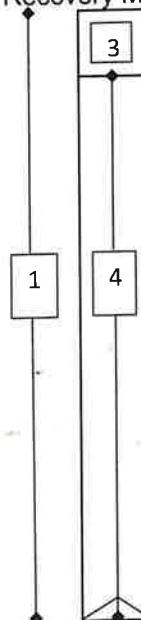
6. Core Accepted: (Yes) / No

7. Processing Recovery Depth: 4.51 ft

8. Adjusted Recovery Percentage: 83.5%

Drive Notes: hand vibrating, free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-E

B: See core processing by

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

start: 4.5 ft above ramp, end 1.25 ft below 4.2

target 7.5 ft - accepted at < target due to limitations of hand vibrating.

# Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II  
Date: 5/29/24  
Weather: SOS, overcast  
Logged By: KM

Location ID: SC1356  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201848.16

Long/Easting: 1269404.07

## A. Water Depth

DTM Depth Sounder:        ft

DTM Lead Line: -18.5 ft

## B. Tide Level Measurement

Time: 1131

Height: +5.78 ft

Source: RTK

## C. Mudline Elevation

-12.7 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft

2. Penetration Depth: 19.40 ft

3. Headspace Measurement: 2.70 ft

4. Field Recovery Depth: 17.30 ft

5. Field Recovery Percentage: 89.2%

6. Core Accepted: Yes / No

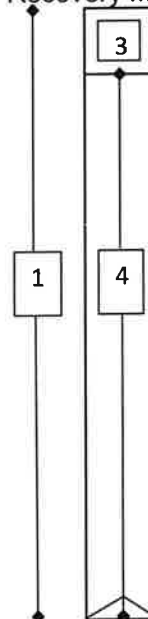
7. Processing Recovery Depth: 18.32 ft

8. Adjusted Recovery Percentage: 94.4%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-S

see core  
B: processing

C:       

D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

core target depth: 19 ft



# Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II  
Date: 5/31/24  
Weather: SOS sunny  
Logged By: CC

Location ID: SC1357  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: CC, KIC

Field Collection Coordinates:  
Lat/Northing: 201872.56

Long/Easting: 1269432.32

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -15.4 ft

## B. Tide Level Measurement

Time: 1049  
Height: +6.52 ft  
Source: RTK

## C. Mudline Elevation

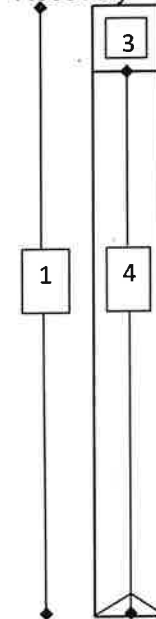
-8.9 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 9.30 ft
3. Headspace Measurement: 11.15 ft
4. Field Recovery Depth: 8.85 ft
5. Field Recovery Percentage: 95.2%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 8.85 ft
8. Adjusted Recovery Percentage: 95.2%

Drive Notes: refusal at 9.3 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-H  
B: See core  
C: Processing Log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target depth 15 ft.  
best of 2 attempts today, process this attempt.  
(Best of 3 overall)

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Location ID: IT1358

Date: 6.7.2024

Attempt No.: 2

Weather: sun, 60s

Core Type: Intertidal Subtidal Shoaling

Logged By: SP

Field Staff: SP, LVB

## Field Collection Coordinates:

Lat/Northing: 201909.60

Long/Easting: 1269452.61

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -4.0 ft

## B. Tide Level Measurement

Time: 1000

Height: -0.10 ft

Source: RTR

## C. Mudline Elevation

-3.9 (ft MLLW)

-4.1

## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft

2. Penetration Depth: 5.80 ft

3. Headspace Measurement: 5.20 ft

4. Field Recovery Depth: 4.80 ft

5. Field Recovery Percentage: 82.8%

6. Core Accepted: (Yes) / No

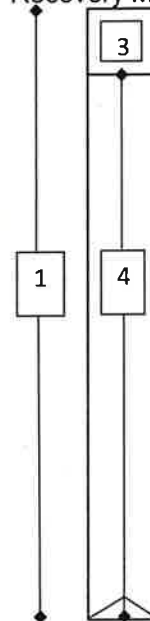
7. Processing Recovery Depth: 4.33 ft

8. Adjusted Recovery Percentage: 74.7%

## Drive Notes:

easy smooth drive to  
hard refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A E see

core processing

B: log

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Additional Notes: Target depth = 7.5 ft

## Sediment Core Collection Form

Page 1 of 2 cc  
2

Project: LDW AOC5 MR Phase II

Location ID: 1T1359

Date: 6.6.24

Attempt No.: 1

Weather: 60s sunny

Core Type: Intertidal Subtidal Shoaling

Logged By: CC

Field Staff: CCSR, DS, LVB

## Field Collection Coordinates:

Lat/Northing: 201914.53

Long/Easting: 1269462.62

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: — ft

## B. Tide Level Measurement

Time: 1206

Height: -2.79 ft

Source: RTK

## C. Mudline Elevation

NA (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft

2. Penetration Depth: 3.10 ft

3. Headspace Measurement: 3.24 ft

4. Field Recovery Depth: 21.76 ft

5. Field Recovery Percentage: 56.8%

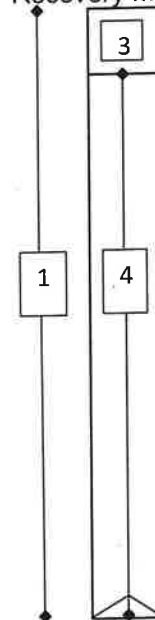
6. Core Accepted: (Yes) / No

7. Processing Recovery Depth: 1.75 ft

8. Adjusted Recovery Percentage: 56.5

Drive Notes: hand vibrocore, refusal  
at 3.10 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-0-25.4cm

B: B 25.4-53.3cm

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target 7.5  
accepted despite low drive/recovery. Hand probing in area  
yielded best at location of core

# Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II  
Date: 6.6.24  
Weather: 60s sunny  
Logged By: CC

Location ID: IT1360  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: CC SR DS LVB

## Field Collection Coordinates:

Lat/Northing: 201890.37

Long/Easting: 1269453.41

## A. Water Depth

DTM Depth Sounder: ft

DTM Lead Line: -6.9 ft

## B. Tide Level Measurement

Time: 1422

Height: +2.26 ft

Source: RTK

## C. Mudline Elevation

+4.64 (ft MLLW)

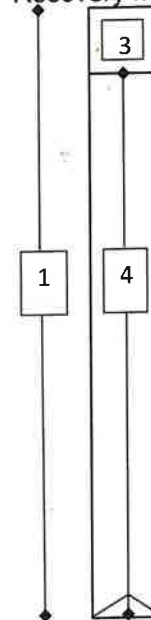
-4.6

## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft
2. Penetration Depth: 5.40 ft
3. Headspace Measurement: 5.80 ft
4. Field Recovery Depth: 4.20 ft
5. Field Recovery Percentage: 77.4% 77.8%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 3.66 ft
8. Adjusted Recovery Percentage: 66.6

Drive Notes: hand vibrating  
easy drive, resistance at bottom.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-E

B: see core processing log

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target 7.5ft  
mudline outside of intertidal but process as intertidal.  
unable to access higher elevation.



# Sediment Core Collection Form

Project: LDW AOC5 MR Phase II  
Date: 6.6.24  
Weather: WDS sunny  
Logged By: CC

Location ID: 1T1361  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: CC, SR, DS, LVB

## Field Collection Coordinates:

Lat/Northing: 201909.99

Long/Easting: 1269463.91

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: \_\_\_\_\_ ft

## B. Tide Level Measurement

Time: 1155  
Height: -3.00 ft  
Source: RTK

## C. Mudline Elevation

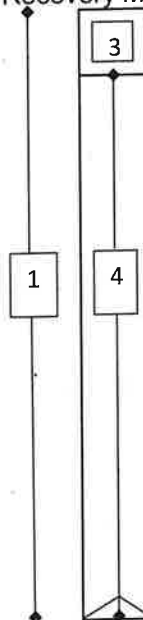
NA (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft
2. Penetration Depth: 2.80 ft
3. Headspace Measurement: 3.09 ft
4. Field Recovery Depth: 1.91 ft
5. Field Recovery Percentage: 68.2
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 1.86 ft
8. Adjusted Recovery Percentage: 66.4%

Drive Notes: hard refusal at 2.8 ft.  
hand vibrocore.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A → 0-29.9cm  
B: B → 29.9-56.7cm  
C: \_\_\_\_\_  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target depth 7.5 ft  
accepted despite low drive. hand probing around location  
repeated refusal yielded hard refusal at 2.8 ft core was  
taken at best probe point.

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: 1T1362Date: 6-7-2024Attempt No.: 1Weather: Sun, 60sCore Type: Intertidal Subtidal ShoalingLogged By: SRField Staff: SR, LVB

## Field Collection Coordinates:

Lat/Northing: 201912.15Long/Easting: 1269457.03

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: 0 ft

## B. Tide Level Measurement

Time: 1235Height: -3.23 ftSource: RTK

## C. Mudline Elevation

— (ft MLLW)

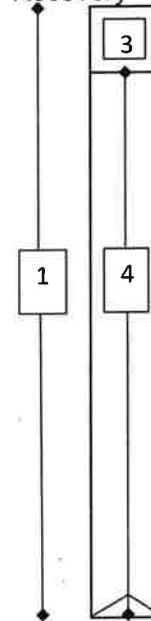
## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft2. Penetration Depth: 3.40 ft3. Headspace Measurement: 1.60 ft 3.00 ft4. Field Recovery Depth: 2.00 ft5. Field Recovery Percentage: 58.8%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 2.40 ft8. Adjusted Recovery Percentage: 70.6%

## Drive Notes:

easy drive to refusal  
hand vibrating.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-C see  
core processing  
B: logC: —D: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ftaccepted core based on probing in area and similar nearby attempts.

Project: LDW AOC5 MR Phase II

Date: 6.6.24

Weather: sunny 60s

Logged By: CC

Location ID: 1T1363

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: CC SR DS LVB

## Field Collection Coordinates:

Lat/Northing: 201888.27

Long/Easting: 1269457.30

Long/Easting: 1269457.30

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -2.60 ft

-2.6

## B. Tide Level Measurement

Time: 1304

Height: -1.30 ft

Source: RTK

## C. Mudline Elevation

-3.9 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 5.90 ft

3. Headspace Measurement: 4.09 ft

4. Field Recovery Depth: 3.75 ft 3.91 ft

5. Field Recovery Percentage: 63.6% 66.3%

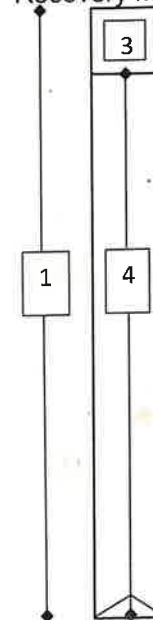
6. Core Accepted: (Yes) No

7. Processing Recovery Depth: 3.65 ft

8. Adjusted Recovery Percentage: 71% 61.9%

Drive Notes: steady drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-E

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target 7.5 ft.  
accepted despite low drive and recovery due to (limitation)  
of hand vibrating. best attempt at 3.



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6.7.2024  
Weather: Sun, 60s  
Logged By: SR

Location ID: 1T1364  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: SR, LVB

Field Collection Coordinates:  
Lat/Northing: 201897.99

Long/Easting: 1269473.41

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: 0 ft

## B. Tide Level Measurement

Time: 1158  
Height: -3.38 ft  
Source: RTR

## C. Mudline Elevation

— (ft MLLW)

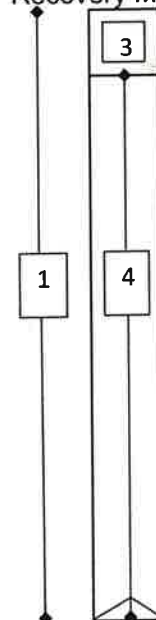
## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft
2. Penetration Depth: 2.00 ft
3. Headspace Measurement: 3.7 ft
4. Field Recovery Depth: 1.30 ft
5. Field Recovery Percentage: 66.0%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 1.30 ft
8. Adjusted Recovery Percentage: 65.0%

## Drive Notes:

refusal at ~2.0 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-B see core processing log  
B: log  
C:  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

best attempt in this area.  
process A+B layer intervals  
(SR)



# Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 6.11.24

Weather: 50% cloudy

Logged By: CC

Location ID: SC1365

Attempt No.: 2

Core Type: Intertidal Subtidal Shoaling

Field Staff: CC

## Field Collection Coordinates:

Lat/Northing: 201829.40

Long/Easting: 1269441.71

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -19.1 ft

## B. Tide Level Measurement

Time: 0703

Height: +8.15 ft

Source: RTK

## C. Mudline Elevation

-11.0 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft

2. Penetration Depth: 13.00 ft

3. Headspace Measurement: 7.60 ft

4. Field Recovery Depth: 12.40 ft

5. Field Recovery Percentage: 95.4%

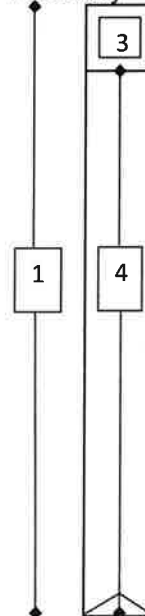
6. Core Accepted: Yes / No CC

7. Processing Recovery Depth: 12.92 ft

8. Adjusted Recovery Percentage: 99.4%

Drive Notes: Resistance past 12 ft, refusal at 13 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-L

B: See core processing log

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 19 ft core  
accepted despite low drive due to similar refusal in attempt 1  
and in other locations in the area (SC1366)

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: SC1366Date: 6.7.2024Attempt No.: 1Weather: sun, 60sCore Type: Intertidal Subtidal ShoalingLogged By: SRField Staff: SR, LVB

## Field Collection Coordinates:

Lat/Northing: 201859.75Long/Easting: 1269465.68

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -3.8 ft

## B. Tide Level Measurement

Time: 1330Height: -1.76 ftSource: RTK

## C. Mudline Elevation

-5.6 (ft MLLW)

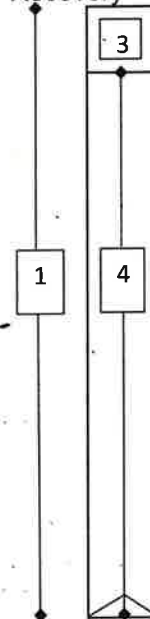
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft2. Penetration Depth: 6.20 ft3. Headspace Measurement: 5.20 ft4. Field Recovery Depth: 4.80 ft5. Field Recovery Percentage: 70.7%<sup>0.5</sup> 77.4%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 4.56 ft8. Adjusted Recovery Percentage: 73.5%

## Drive Notes:

hand vibracoring  
easy drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-EB: see core processing logC: logD: 

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 15 ft coreAccepted based on core attempts for nearby locations (e.g. SC)

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6-5-2024Weather: partly cloudy, 60sLogged By: SRLocation ID: 1T1367Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: SR, CC, LVB

## Field Collection Coordinates:

Lat/Northing: 201872.48Long/Easting: 1269471.07

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -13 ft

## B. Tide Level Measurement

Time: 1010Height: -2.62 ftSource: RTK

## C. Mudline Elevation

-3.9 (ft MLLW)

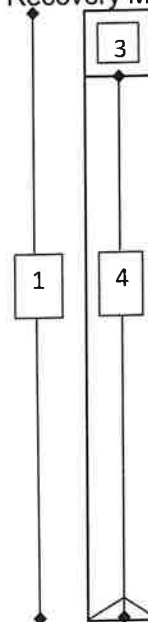
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 5.30 ft3. Headspace Measurement: 4.40 ft4. Field Recovery Depth: 3.60 ft5. Field Recovery Percentage: 67.9%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 3.46 ft8. Adjusted Recovery Percentage: 65.3%

## Drive Notes:

hand v. bracingeasy first 2 ft, then resistance  
for ~1 ft. Then another 2 ft  
easy drive to refusal.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-E  
B: See core processing log  
C:   
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

Start: 5 ft above dock  
end: 4 in. below dockless than target of 7.5 ft

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6-7-2024  
Weather: sun, 60s  
Logged By: SR

Location ID: 1T1368  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: SR, LVB

Field Collection Coordinates:  
Lat/Northing: 201887.11

Long/Easting: 1269483.60

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: 0 ft

## B. Tide Level Measurement

Time: 1215  
Height: -3.37 ft  
Source: RTK

## C. Mudline Elevation

— (ft MLLW)

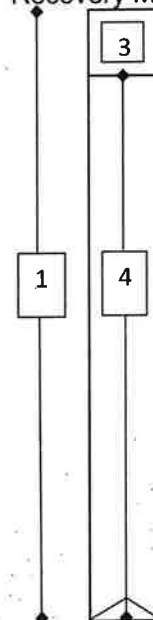
## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft
2. Penetration Depth: 2.50 ft
3. Headspace Measurement: 3.25 ft
4. Field Recovery Depth: 1.75 ft
5. Field Recovery Percentage: 70.0%
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 1.89 ft
8. Adjusted Recovery Percentage: 57.6% → 75.6%

## Drive Notes:

hand-vibracoring  
easy to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-B  
B: see core processing log  
C: —  
D: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft  
accepted best of 3 attempts (see logbook for details)



## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Date: 6-7-2024Weather: sun 60sLogged By: SRLocation ID: 1T1369Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: SR, LVB

## Field Collection Coordinates:

Lat/Northing: 201845.08Long/Easting: 1269492.26

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -2.0 ft

## B. Tide Level Measurement

Time: 1027Height: -1.43 ftSource: RTK

## C. Mudline Elevation

-3.9 (ft MLLW)

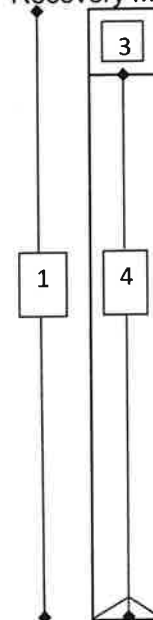
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft2. Penetration Depth: 3.30 ft3. Headspace Measurement: 7.60 ft4. Field Recovery Depth: 2.40 ft5. Field Recovery Percentage: 72.7%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 2.00 ft8. Adjusted Recovery Percentage: 60.6%

## Drive Notes:

easy drive to refusal  
hand vibrating

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-CB: See coreC: processingD: log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6-12-24  
Weather: 50% cloudy  
Logged By: cc

Location ID: SC1371  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: cc

## Field Collection Coordinates:

Lat/Northing: 20786.16

Long/Easting: 1269463.46

## A. Water Depth

DTM Depth Sounder:      ft

DTM Lead Line: -18.8 ft

-18.2

## B. Tide Level Measurement

Time: 0706

Height: +6.58 ft

Source: RTK

## C. Mudline Elevation

-11.6 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft

2. Penetration Depth: 19.00 ft

3. Headspace Measurement: 2.05 ft

4. Field Recovery Depth: 17.95 ft

5. Field Recovery Percentage: 94.5%

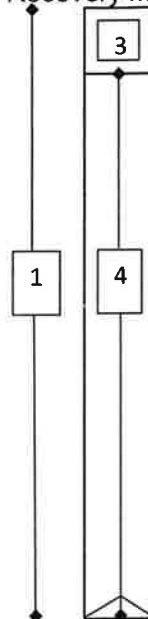
6. Core Accepted: Yes / No

7. Processing Recovery Depth: 18.77 ft

8. Adjusted Recovery Percentage: 98.8%

Drive Notes: Easy drive to 12 ft, some resistance to 19 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-R  
B: See Core processing log  
C:       
D:     

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 19 ft core  
accepted despite cc

Project: LDW AOC5 MR Phase II

Date: 7/11/24

Weather: 60s, sun

Logged By: LCM

Location ID: SC1372

Attempt No.: 3

Core Type: Intertidal Subtidal Shoaling

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201806.10

Long/Easting: 1269496.73

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -16.2 ft

## B. Tide Level Measurement

Time: 0834

Height: +8.21 ft

Source: RTK

## C. Mudline Elevation

~~+8.0~~ -8.0 (ft MLLW)

-8.0

## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft

2. Penetration Depth: 15.00 ft

3. Headspace Measurement: 8.20 ft

4. Field Recovery Depth: 11.80 ft

5. Field Recovery Percentage: 78.7%

6. Core Accepted: Yes / No

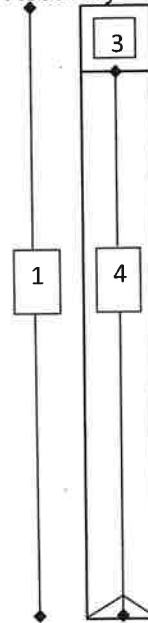
7. Processing Recovery Depth: 12.90 ft

8. Adjusted Recovery Percentage: 86.0%.

## Drive Notes:

resistance @ 1 ft, slow drive to  
refusal @ 15 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A - N see

core processing  
107

B:

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 15 ft core  
process attempt 3 (best of 3 attempts)

# Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II  
Date: 7/11/24  
Weather: 70s, sun  
Logged By: KM

Location ID: 171373  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201842.41

Long/Easting: 1269534.32

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -9.2 ft

## B. Tide Level Measurement

Time: 1056  
Height: +6.91 ft  
Source: RTK

## C. Mudline Elevation

-2.3 (ft MLLW)

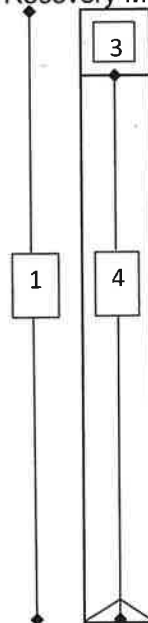
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 6.00 ft
3. Headspace Measurement: 3.20 ft
4. Field Recovery Depth: 4.80 ft
5. Field Recovery Percentage: 80.0%
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 4.10 ft
8. Adjusted Recovery Percentage: 68.3%

## Drive Notes:

slow drive to refusal @ 6 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A - E see  
B: core processing  
C: log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core  
process attempt 3 (best of 3)



# Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II  
Date: 7/11/24  
Weather: 60s, Sun  
Logged By: KM

Location ID: 1T1374  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 201827.62

Long/Easting: 1269558.63

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -8.4 ft

## B. Tide Level Measurement

Time: 0956  
Height: +7.80 ft  
Source: RTK

## C. Mudline Elevation

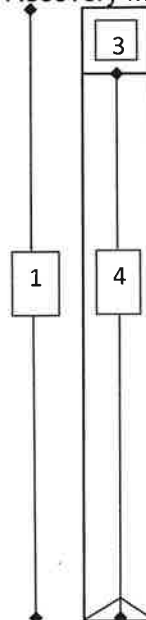
-0.6 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft  
2. Penetration Depth: 4.50 ft  
3. Headspace Measurement: 1.90 ft  
4. Field Recovery Depth: 3.10 ft  
5. Field Recovery Percentage: 68.9%  
6. Core Accepted: Yes / No  
7. Processing Recovery Depth: 3.19 ft  
8. Adjusted Recovery Percentage: 70.9%

## Drive Notes:

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-D see  
B: core processing log  
C: —  
D: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 4.5 ft core  
"3 ft from target (target is on concrete shelf)"  
process attempt 3 (best drive of 3 attempts)

# Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II  
Date: 7/11/24  
Weather: 70s, sun  
Logged By: KM

Location ID: 1T1376  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat(Northing): 201768.54

Long(Easting): 1269565.54

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -9.0 ft

## B. Tide Level Measurement

Time: 1129  
Height: 15.96 ft  
Source: RTK

## C. Mudline Elevation

-3.0 (ft MLLW)

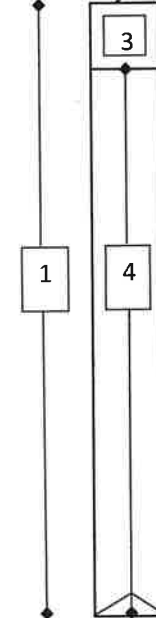
## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft
2. Penetration Depth: 2.00 ft
3. Headspace Measurement: 3.20 ft
4. Field Recovery Depth: 1.80 ft
5. Field Recovery Percentage: 90.0%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 1.80 ft
8. Adjusted Recovery Percentage: 90.0%

## Drive Notes:

hard drive to refusal @ 2 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A 0-40.5  
B: B 40.5-84.9  
C: —  
D: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 4.5 ft core  
process attempt 2 (best of 3)

## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Date: 7/12/24Weather: 603, sunLogged By: KMLocation ID: 171378Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201735.54Long/Easting: 1269626.63

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -7.9 ft

## B. Tide Level Measurement

Time: 0854Height: +7.31 ftSource: RTK

## C. Mudline Elevation

-0.6 (ft MLLW)

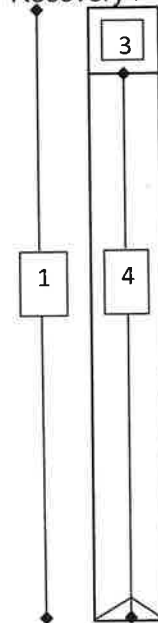
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 3.00 ft3. Headspace Measurement: 5.90 ft4. Field Recovery Depth: 2.10 ft5. Field Recovery Percentage: 70.0%6. Core Accepted: Yes / No7. Processing Recovery Depth: 2.21 ft8. Adjusted Recovery Percentage: 73.7%

## Drive Notes:

slew drive to refusal @ 3 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A 0-33.2B: B 33.2-67.4C:       D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core  
process attempt 1 (best of 3)

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/5/24  
Weather: 60s, sun  
Logged By: KM

Location ID: SC1382  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 201393.15

Long/Easting: 1269617.11

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: ~31.5 ft

## B. Tide Level Measurement

Time: 1437  
Height: +4.18 ft  
Source: RK

## C. Mudline Elevation

-27.3 (ft MLLW)

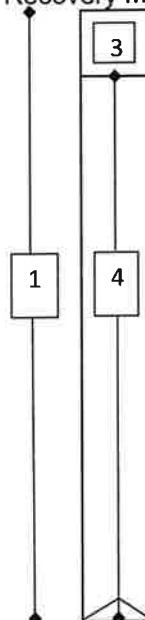
## Core Collection Recovery Details:

1. Core Tube Length: 10.10 ft
2. Penetration Depth: 7.00 ft
3. Headspace Measurement: 3.80 ft
4. Field Recovery Depth: 6.20 ft
5. Field Recovery Percentage: 88.6%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 6.38 ft
8. Adjusted Recovery Percentage: 91.1%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-F  
B: See core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -31 ft MLLW (6 ft core)



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: SC1383

Date: 12-24

Attempt No.: 1

Weather: 50s, cloudy

Core Type: Intertidal Subtidal Shoaling

Logged By: CC

Field Staff: CC

## Field Collection Coordinates:

Lat/Northing: 201449.39

Long/Easting: 1269690.12

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: - 35.8 ft

## B. Tide Level Measurement

Time: 0849

Height: + 7.33 ft

Source: RTK

## C. Mudline Elevation

- 28.5 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft

2. Penetration Depth: 6.00 ft

3. Headspace Measurement: 4.00 ft

4. Field Recovery Depth: 6.00 ft

5. Field Recovery Percentage: 100.0%

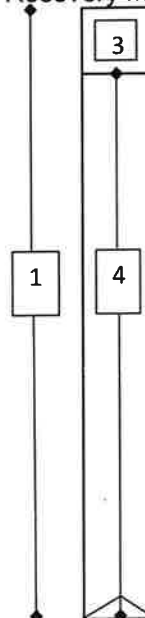
6. Core Accepted: Yes No

7. Processing Recovery Depth: 5.89 ft

8. Adjusted Recovery Percentage: 98.2%

Drive Notes: Hard refusal at 6.0 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-E

B: See core processing log

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -31 ft MLLW.  $-31 - (-28.5) = 2.5$  ft (6 ft minimum).

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: SC1384Date: 6/17/24Attempt No.: 1Weather: SOS, overcastCore Type: Intertidal (Subtidal) ShoalingLogged By: kmField Staff: km

## Field Collection Coordinates:

Lat/Northing: 201254.33Long/Easting: 1269763.07

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -24.0 ft

## B. Tide Level Measurement

Time: 0905Height: +0.67 ftSource: RTK

## C. Mudline Elevation

-23.3 (ft MLLW)

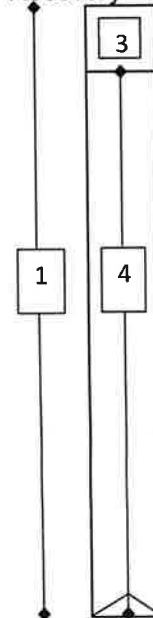
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft2. Penetration Depth: 9.00 ft3. Headspace Measurement: 2.80 ft4. Field Recovery Depth: 7.20 ft5. Field Recovery Percentage: 80.0%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 7.25 ft8. Adjusted Recovery Percentage: 80.60

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-4B: See coreC: Processing logD:   

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -31 ft MLLW

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/21/24  
Weather: 50, rain  
Logged By: KM

Location ID: SL1385  
Attempt No.: 1  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201307.81Long/Easting: 1269814.52

## A. Water Depth

DTM Depth Sounder:      ftDTM Lead Line: -27.7 ft

## B. Tide Level Measurement

Time: 1036Height: -0.83 ftSource: RTK

## C. Mudline Elevation

-28.5 (ft MLLW)

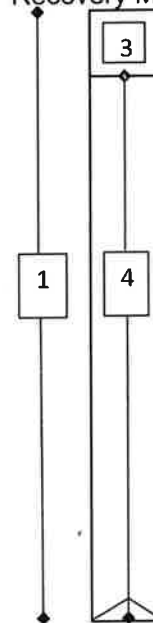
## Core Collection Recovery Details:

1. Core Tube Length: ~~8.00~~ 12.00 ft2. Penetration Depth: 9.20 ft3. Headspace Measurement: 3.70 ft4. Field Recovery Depth: 8.30 ft5. Field Recovery Percentage: 90.2%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 8.86 ft8. Adjusted Recovery Percentage: 96.3%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-HB: See coreC: processing logD:     

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/21/24Weather: 50, rainLogged By: KMLocation ID: SC1386Attempt No.: 1Core Type: Intertidal (Subtidal) ~~Shoaling~~ 2mField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 42° 20' 35.40" NLong/Easting: 126° 9' 68.29" W

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -20.5 ft

## B. Tide Level Measurement

Time: 1000Height: -0.48 ftSource: RTK

## C. Mudline Elevation

-21.0 (ft MLLW)

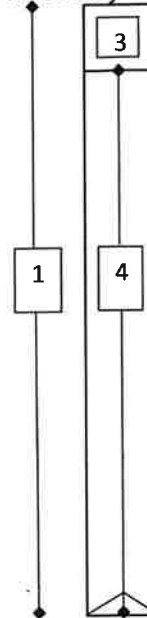
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 11.50 ft3. Headspace Measurement: 1.40 ft4. Field Recovery Depth: 10.60 ft5. Field Recovery Percentage: 92.2%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 10.93 ft8. Adjusted Recovery Percentage: 95.0

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-KB: See coreC: processing logD: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:



## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6/5/24Weather: 60s, sunLogged By: KMLocation ID: SL1387Attempt No.: 1Core Type: Intertidal ☒ Subtidal ☐ ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201207.02Long/Easting: 1269876.83

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -36.5 ft

## B. Tide Level Measurement

Time: 1553Height: +8.41 ftSource: RTK

## C. Mudline Elevation

-28.1 (ft MLLW)

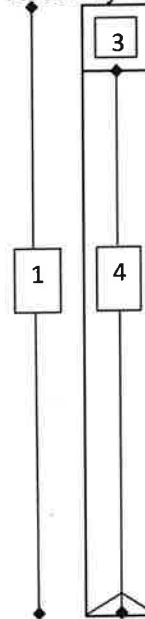
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft2. Penetration Depth: 7.00 ft3. Headspace Measurement: 2.40 ft4. Field Recovery Depth: 7.60 ft5. Field Recovery Percentage: 108.6%6. Core Accepted: Yes / No7. Processing Recovery Depth: then 7.63 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-GB: See coreC: processing logD:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -31 ft MLLW (6ft core)

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6.12.24  
Weather: 50s cloudy  
Logged By: CC

Location ID: SC1388  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: CC

Field Collection Coordinates:  
Lat/Northing: 201248.71

Long/Easting: 1269938.68

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: - 31.4 ft

## B. Tide Level Measurement

Time: 0806  
Height: +7.02 ft  
Source: RTK

## C. Mudline Elevation

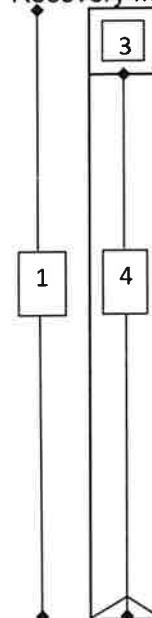
-24.4 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 8.00 ft
3. Headspace Measurement: 3.40 ft
4. Field Recovery Depth: 8.60 ft
5. Field Recovery Percentage: 107.5%
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 9.17 ft
8. Adjusted Recovery Percentage: 100%

Drive Notes: easy drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-H  
B: all core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: to -31 ft MLLW, -31 - (-24.4) = 6.6 ft core.

## Sediment Core Collection Form

Project: LDW AOC5 MR Phase II

Date: 5/13/24

Weather: bog, cloudy

Logged By: KM

Location ID: <sup>KM</sup>TF1524 SC1390Attempt No.: <sup>1</sup>1Core Type: ~~Intertidal~~ Subtidal Shoaling

Field Staff: KM, SR

## Field Collection Coordinates:

Lat/Northing: 201576.67

Long/Easting: 1269843.81

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -7.7 ft

## B. Tide Level Measurement

Time: 1501

Height: -0.90 ft

Source: RTK

## C. Mudline Elevation

-8.6 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 11.30m 11.50 ft

3. Headspace Measurement: 0.50m 0.50 ft

4. Field Recovery Depth: 11.50 ft

5. Field Recovery Percentage: 100.00%

6. Core Accepted: Yes/No

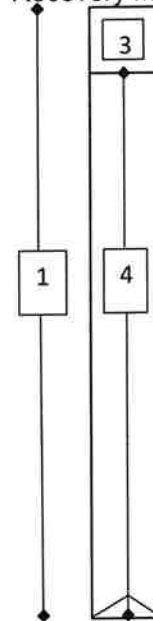
7. Processing Recovery Depth: 11.50 ft

8. Adjusted Recovery Percentage: 100.00%

## Drive Notes:

slow drive, hit resistance @ 4 ft  
and then go through; smooth after

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-J

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

Lower GPS accuracy under bridge

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/17/24  
Weather: 50's, sunny  
Logged By: CC

Location ID: SC1500 SC1399  
Attempt No.: 1  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: SR, CC

Field Collection Coordinates:  
Lat/Northing: 201643.43

Long/Easting: 1270662.61

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -19.7 ft

## B. Tide Level Measurement

Time: 1521  
Height: +6.66 ft  
Source: RTK

## C. Mudline Elevation

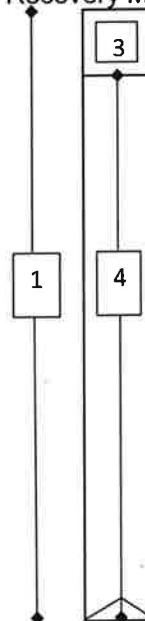
-13.0 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: ~~12.00~~ 8.00 ft
2. Penetration Depth: 3.00 ft
3. Headspace Measurement: 4.70 ft
4. Field Recovery Depth: 3.30 ft
5. Field Recovery Percentage: 110.0%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 3.78 ft
8. Adjusted Recovery Percentage: 100%

Drive Notes: Soft sediment.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: 0-60 cm  
B:  
C:  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:



## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6/20/24Weather: 60s, sunLogged By: KMLocation ID: SC1461Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201467.31Long/Easting: 1270742.62

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -10.0 ft

## B. Tide Level Measurement

Time: 0815Height: +0.95 ftSource: RTK

## C. Mudline Elevation

-9.1 (ft MLLW)

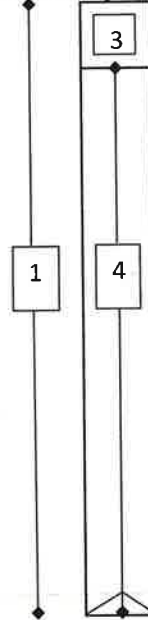
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 3.00 ft3. Headspace Measurement: 5.40 ft4. Field Recovery Depth: 2.60 ft5. Field Recovery Percentage: 86.7%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 2.75 ft8. Adjusted Recovery Percentage: 91%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-59.6cm

B: \_\_\_\_\_

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-60cm

## Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II

Date: 5/23/24Weather: 50s, overcastLogged By: kmLocation ID: 1T1402Attempt No.: 2Core Type: Intertidal Subtidal ShoalingField Staff: km

## Field Collection Coordinates:

Lat/Northing: 1270772.38Long/Easting: 201464.44

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: - 7.5 ft

## B. Tide Level Measurement

Time: 0821Height: + 4.23 ftSource: RTK

## C. Mudline Elevation

- 3.3 (ft MLLW)

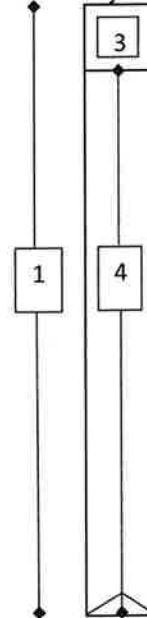
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 6.30 ft3. Headspace Measurement: 7.20 ft4. Field Recovery Depth: 4.80 ft5. Field Recovery Percentage: 76.2%6. Core Accepted (Yes) / No7. Processing Recovery Depth: 5.50 ft8. Adjusted Recovery Percentage: 87.3%

## Drive Notes:

hit refusal @ 6.3 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-EB: See coreC: processing log

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

process attempt 2 - best of 3 attempts  
less than target penetration of 7.5 ft

# Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Date: 7/26/24

Weather: 70S, Sun

Logged By: KM

Location ID: 171404

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201035.64

Long/Easting: 127 <sup>KM</sup> 1269686.43

## A. Water Depth

DTM Depth Sounder:        ft

DTM Lead Line: -8.4 ft

## B. Tide Level Measurement

Time: 1049

Height: +8.67 ft

Source: KTK

## C. Mudline Elevation

+0.3 (ft MLLW)

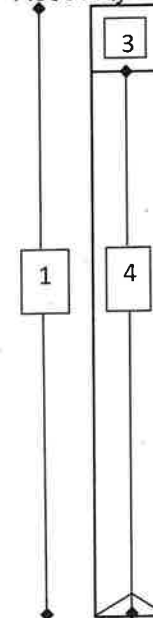
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 4.40m 4.60 ft
3. Headspace Measurement: 3.00 ft
4. Field Recovery Depth: 5.00 ft
5. Field Recovery Percentage: 108.7%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 5.08 ft
8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

free drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-E see  
core processing  
 B: log  
 C:         
 D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core  
process attempt 1 (best of 3)

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 5/23/24Weather: 60s, overcastLogged By: KMLocation ID: SC1405Attempt No.: 2Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 201061.90Long/Easting: 1269839.93

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -13.4 ft

## B. Tide Level Measurement

Time: 1311Height: -0.88 ftSource: RTK

## C. Mudline Elevation

-14.3 (ft MLLW)

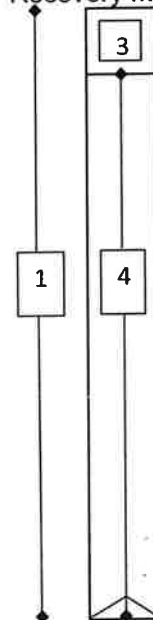
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 18.20 ft3. Headspace Measurement: 0.30 ft4. Field Recovery Depth: 19.70 ft5. Field Recovery Percentage: 108.2%6. Core Accepted: Yes No7. Processing Recovery Depth: 19.95 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-TB: see coreC: processing log

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:



# Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 5/23/24

Weather: bs, overcast

Logged By: km

Location ID: SC1406

Attempt No.: 2

Core Type: Intertidal Subtidal Shoaling km

Field Staff: km

## Field Collection Coordinates:

Lat/Northing: 201098.90

Long/Easting: 1269883.05

### A. Water Depth

DTM Depth Sounder:        ft

DTM Lead Line: -22.5 ft

### B. Tide Level Measurement

Time: 1417

Height: +1.75 ft

Source: RTK

### C. Mudline Elevation

-20.8 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft

2. Penetration Depth: 12.00 ft

3. Headspace Measurement: 3.60 ft

4. Field Recovery Depth: 11.40 ft

5. Field Recovery Percentage: 95.0 %

6. Core Accepted: (Yes) / No

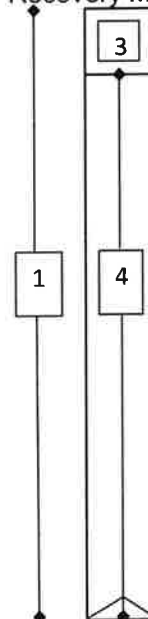
7. Processing Recovery Depth: 11.91 ft

8. Adjusted Recovery Percentage: 99.3 %

### Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-K

B: See core

C: processing log

D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

no sheal

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6-12-24  
Weather: 50s cloudy  
Logged By: cc

Location ID: 801407  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: cc

Field Collection Coordinates:  
Lat/Northing: 201142.17

Long/Easting: 1269926.16

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: - 34.1 ft

## B. Tide Level Measurement

Time: 1024  
Height: +6.87m \$7.00  
Source: RTK

## C. Mudline Elevation

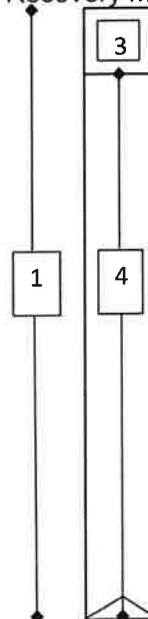
-27.1 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft
2. Penetration Depth: 3.00 ft
3. Headspace Measurement: 2.30 ft
4. Field Recovery Depth: 2.70 ft
5. Field Recovery Percentage: 90.0%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 2.75 ft
8. Adjusted Recovery Percentage: 91.7

Drive Notes: free drive-

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: 0-55.0cm  
B: \_\_\_\_\_  
C: \_\_\_\_\_  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 3 ft (0-60 short core)

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Location ID: SC418Date: 6/5/24Attempt No.: 2Weather: 90s, sunCore Type: Intertidal Subtidal ShoalingLogged By: KMField Staff: EM

## Field Collection Coordinates:

Lat/Northing: 200911.21Long/Easting: 1269977.05

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -16.1 ft

## B. Tide Level Measurement

Time: 1.311Height: +0.60 ftSource: RTK

## C. Mudline Elevation

-15.5 (ft MLLW)

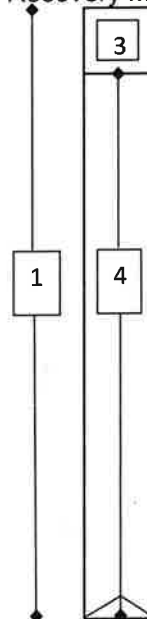
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 16.00 ft3. Headspace Measurement: 4.50 ft4. Field Recovery Depth: 15.50 ft5. Field Recovery Percentage: 96.9 %6. Core Accepted: Yes No7. Processing Recovery Depth: 16.00 ft8. Adjusted Recovery Percentage: 100 %

## Drive Notes:

free drive to " 13 ft then slow drive to  
16 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-0  
B: See core processing  
C: log  
D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

forget: 15 ft core

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 7-8-2024

Weather: SW, 80s

Logged By: SR

Location ID: SC1909

Attempt No.: 2

Core Type: Intertidal Subtidal Shoaling

Field Staff: SR

## Field Collection Coordinates:

Lat/Northing: 200945.25

Long/Easting: 1270003.25

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -15.8 ft

## B. Tide Level Measurement

Time: 1255

Height: -1.17 ft

Source: RTK

## C. Mudline Elevation

-17.0 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft

2. Penetration Depth: 17.00 ft

3. Headspace Measurement: 5.20 ft

4. Field Recovery Depth: 14.80 ft

5. Field Recovery Percentage: 87.1%

6. Core Accepted: Yes No

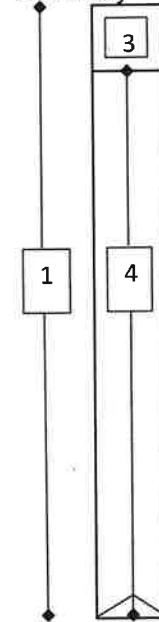
7. Processing Recovery Depth: 15.43 ft

8. Adjusted Recovery Percentage: 90.8

## Drive Notes:

Smooth drive to target

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-0

B: See core

C: processing log

D:

Shoe Description: woody debris

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -31 ft MLLW (14 ft core)

Shoal: -17 to -20 ft = 3.0 ft



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 7-8-2024  
Weather: Sun, 80s  
Logged By: SR

Location ID: 1T1411  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: SR

## Field Collection Coordinates:

Lat/Northing: 200755.17

Long/Easting: 1269972.42

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -3.4 ft

## B. Tide Level Measurement

Time: 1424  
Height: -0.21 ft  
Source: RTK

## C. Mudline Elevation

-3.6 (ft MLLW)

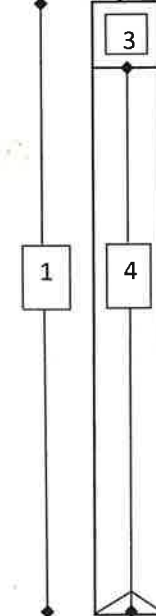
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft  
2. Penetration Depth: 9.00 ft  
3. Headspace Measurement: 1.85 ft  
4. Field Recovery Depth: 8.15 ft  
5. Field Recovery Percentage: 90.6%  
6. Core Accepted: (Yes) No  
7. Processing Recovery Depth: 8.52 ft  
8. Adjusted Recovery Percentage: 94.7

## Drive Notes:

Steady drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-I  
B: See core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 7-8-2024

Weather: Sun. 80s

Logged By: SP

Location ID: IT1413

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: SP

## Field Collection Coordinates:

Lat/Northing: 200691.27

Long/Easting: 1270024.60

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -3.6 ft

## B. Tide Level Measurement

Time: 1441

Height (SP) 0.06 ft

Source: RTK

## C. Mudline Elevation

-3.5 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft

2. Penetration Depth: 10.00 ft

3. Headspace Measurement: 0.15 ft

4. Field Recovery Depth: 9.85 ft

5. Field Recovery Percentage: 98.5%

6. Core Accepted: (Yes) / No

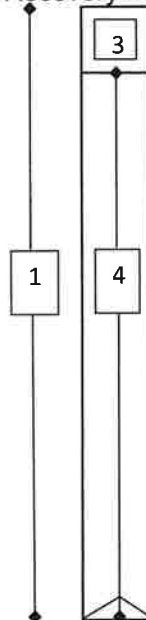
7. Processing Recovery Depth: 10.03 ft

8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Steady drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-J

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft

## Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II

Location ID: SC1414Date: 6/5/24Attempt No.: 3Weather: 50s, SunCore Type: Intertidal (Subtidal) ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200737.49Long/Easting: 1270080.10

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -9.9 ft

## B. Tide Level Measurement

Time: 1104Height: -2.99 ftSource: RTK

## C. Mudline Elevation

-12.9 (ft MLLW)

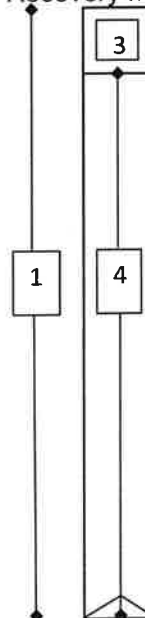
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 11.00 ft3. Headspace Measurement: 0.50 ft4. Field Recovery Depth: 11.50 ft5. Field Recovery Percentage: 104.5%6. Core Accepted (Yes) / No7. Processing Recovery Depth: 11.75 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-KB: See core processing log

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft core

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/5/24  
Weather: 50s, sun  
Logged By: km

Location ID: SC1415  
Attempt No.: 1  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: km

Field Collection Coordinates:  
Lat/Northing: 200764.18

Long/Easting: 1270116.17

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -14.1 ft

## B. Tide Level Measurement

Time: 1139  
Height: -2.48 ft  
Source: RTK

## C. Mudline Elevation

-16.6 (ft MLLW)

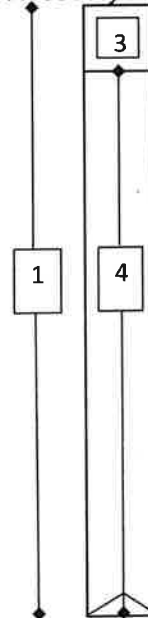
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 16.00 ft
3. Headspace Measurement: 5.40 ft
4. Field Recovery Depth: 14.60 ft
5. Field Recovery Percentage: 91.3%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 15.02 ft
8. Adjusted Recovery Percentage: 93.9%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-0  
B: sed core  
C: processing log  
D: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 15 ft core



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/31/24  
Weather: 50° Sunny  
Logged By: CC

Location ID: SC1416  
Attempt No.: 1  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: CC

## Field Collection Coordinates:

Lat/Northing: 200759.83

Long/Easting: 1270169.28

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: 22.3 ft  
- 22.8

## B. Tide Level Measurement

Time: 0822  
Height: +4.14 ft  
Source: RTK

## C. Mudline Elevation

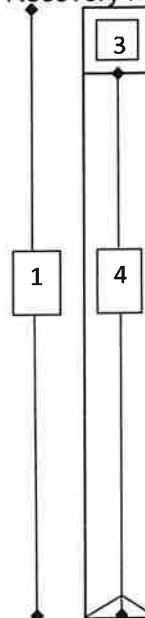
-18.7 (ft MLLW)

## Core Collection Recovery Details:

- Core Tube Length: 15.00 ft
- Penetration Depth: 14.50 ft
- Headspace Measurement: 0.92 ft
- Field Recovery Depth: 14.08 ft
- Field Recovery Percentage: 97.10%
- Core Accepted: Yes / No
- Processing Recovery Depth: 14.35 ft
- Adjusted Recovery Percentage: 100%

Drive Notes: smooth, slight resistance at 12 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-m  
B: See core processing log  
C:  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target depth: -31 ft MLLW - -18.7 ft MLLW = 12.3 ft  
shoal: -20 ft MLLW - -18.7 ft MLLW = 1.30 ft

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: 1T1418Date: 5/22/24Attempt No.: 1Weather: 50's partly cloudyCore Type: Intertidal Subtidal ShoalingLogged By: CCField Staff: CC

## Field Collection Coordinates:

Lat/Northing: 20°547.47Long/Easting: 127°0145.17

## A. Water Depth

DTM Depth Sounder:      ftDTM Lead Line: - 9.7 ft

## B. Tide Level Measurement

Time: 0728Height: +6.73 ftSource: RTK

## C. Mudline Elevation

-3.5 (ft MLLW)CC

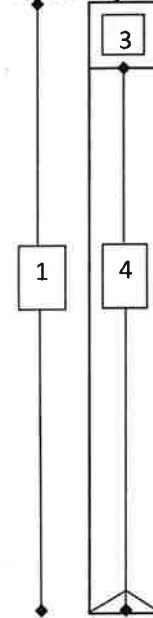
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 7.90 ft3. Headspace Measurement: 0.10 ft4. Field Recovery Depth: 7.90 ft5. Field Recovery Percentage: 100%6. Core Accepted: Yes / No7. Processing Recovery Depth: 7.95 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

hard sand at top, resistance at 4ft, otherwise easy.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-HB: See coreC: processing logD:     

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: 8C1419

Date: 5/22/24

Attempt No.: 1

Weather: 50's partly cloudy

Core Type: Intertidal Subtidal Shoaling

Logged By: CC

Field Staff: CC

## Field Collection Coordinates:

Lat/Northing: 200587.93

Long/Easting: 1270218.08

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -11.7 ft

## B. Tide Level Measurement

Time: 0844

Height: +2.06 ft

Source: RTK

## C. Mudline Elevation

-9.7 -9.6 (ft MLLW)

CC

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 10.00 ft

3. Headspace Measurement: 2.20 ft

4. Field Recovery Depth: 9.80 ft

5. Field Recovery Percentage: 98.0%

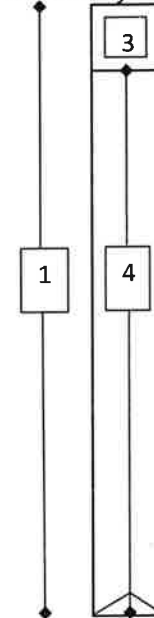
6. Core Accepted: Yes / No

7. Processing Recovery Depth: 10.22 ft

8. Adjusted Recovery Percentage: 100%

Drive Notes: Resistance at 7.5 ft,  
refusal at 10 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-I

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

# Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II  
Date: 5/22/24  
Weather: 50's, partly cloudy  
Logged By: cc

Location ID: SC1420  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: cc

## Field Collection Coordinates:

Lat/Northing: 200613.81

Long/Easting: 1270254.20

### A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: 13.4 ft

### B. Tide Level Measurement

Time: 0959  
Height: -0.79 ft  
Source: RTK

### C. Mudline Elevation

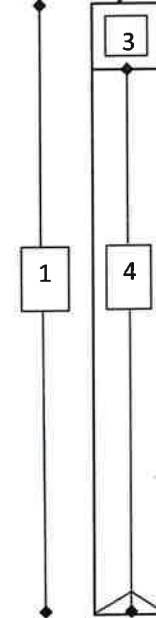
-14.2 (ft MLLW)

### Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 16.80 17.30 ft
3. Headspace Measurement: 1.94 ft
4. Field Recovery Depth: 18.06 ft
5. Field Recovery Percentage: 104.4%
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 18.99 ft
8. Adjusted Recovery Percentage: 100%

Drive Notes: Smooth, until refusal at  
17.3 ft.

### Recovery Measurements (prior to cuts)



### Core Sections To Process:

- A: A-R  
B: See core processing log  
C: \_\_\_\_\_  
D: \_\_\_\_\_

### Shoe Description:

### Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

### Additional Notes:



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/23/24  
Weather: SOS, overcast  
Logged By: KCM

Location ID: SC1421  
Attempt No.: 1  
Core Type: Intertidal ☒ Subtidal ☐ Shoaling ☐  
Field Staff: KCM

Field Collection Coordinates:  
Lat/Northing: 200645.70

Long/Easting: 1270284.83

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -15.9 ft

## B. Tide Level Measurement

Time: 1122  
Height: -2.24 ft  
Source: RTK

## C. Mudline Elevation

-18.1 (ft MLLW)

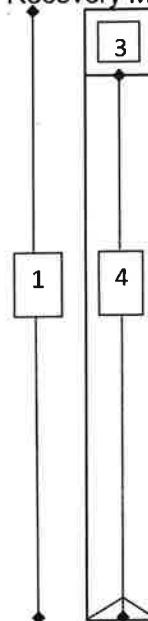
## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft
2. Penetration Depth: 14.60 ft
3. Headspace Measurement: 0.30 ft
4. Field Recovery Depth: 14.70 ft
5. Field Recovery Percentage: 100.7%
6. Core Accepted: ☒ Yes ☐ No
7. Processing Recovery Depth: 15.44 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-N  
B: See core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

Sheal: -18.1 ft to -20.0 ft = 1.9 ft

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/19/24  
Weather: 60s, sun  
Logged By: KM

Location ID: SC1422  
Attempt No.: i  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200694.60Long/Easting: 200 1270330.21

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: - 22.2 ft

## B. Tide Level Measurement

Time: 0951  
Height: -1.17 ft  
Source: RTK

## C. Mudline Elevation

-23.4 (ft MLLW)

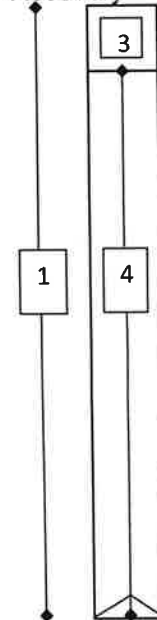
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft
2. Penetration Depth: 9.00 ft
3. Headspace Measurement: 1.00 ft
4. Field Recovery Depth: 9.00 ft
5. Field Recovery Percentage: 100.0%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 9.44 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-K<sup>ns</sup> A-I  
B: See core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -31 ft MLLW

## Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II

Location ID: SC1423

Date: 6-10-2024

Attempt No.: 2

Weather: overcast, 50s

Core Type: Intertidal Subtidal Shoaling

Logged By: SR

Field Staff: SR

## Field Collection Coordinates:

Lat/Northing: 200842.74

Long/Easting: 1270394.21

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -16.2 ft

## B. Tide Level Measurement

Time: 1223

Height: +0.49 ft

Source: RTK

## C. Mudline Elevation

-15.7 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 8.00 ft

3. Headspace Measurement: 4.00 ft

4. Field Recovery Depth: 8.00 ft

5. Field Recovery Percentage: 100.0%

6. Core Accepted: (Yes) No

7. Processing Recovery Depth: 8.12 ft

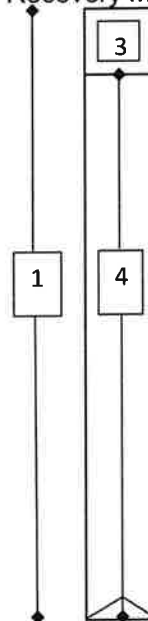
8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

Strong current

Steady drive to 7 ft, then  
resistance/blow drive to 8 ft.  
Refusal at 8 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-G

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

large scrape on side of core tube.

## Additional Notes:

target: 10 ft core.

## Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II

Date: 6.12.24

Weather: 60s sunny

Logged By: CV

Location ID: SC1424

Attempt No.: 3

Core Type: Intertidal Subtidal Shoaling

Field Staff: CV

## Field Collection Coordinates:

Lat/Northing: 200758.53

Long/Easting: 1270409.43

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: — 23.5 ft

## B. Tide Level Measurement

Time: 1218

Height: +4.87 ft

Source: RTK

## C. Mudline Elevation

-18.6 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 5.50 ~ 6.0 ft

3. Headspace Measurement: 6.60 ft

4. Field Recovery Depth: 5.40 ft

5. Field Recovery Percentage: 90.0%

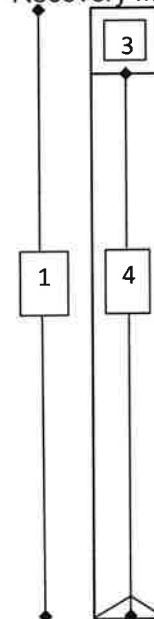
6. Core Accepted: Yes / No

7. Processing Recovery Depth: 5.54 ft

8. Adjusted Recovery Percentage: 92.3%

Drive Notes: Refusal at 6 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-E

B: See core

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft core.  
accepted because highest recovery % and close-to-highest recovery ft.



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6-10-2024

Weather: overcast, 50s

Logged By: SR

Location ID: SC1425

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: SR

## Field Collection Coordinates:

Lat/Northing: 200789.74

Long/Easting: 1270467.02

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -13.8 ft

## B. Tide Level Measurement

Time: SR 2:49 11:31

Height: 12.49 ft

Source: RTK

## C. Mudline Elevation

-11.3 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 11.00 ft

3. Headspace Measurement: 1.10 ft

4. Field Recovery Depth: 10.90 ft

5. Field Recovery Percentage: 99.1%

6. Core Accepted: (Yes) / No

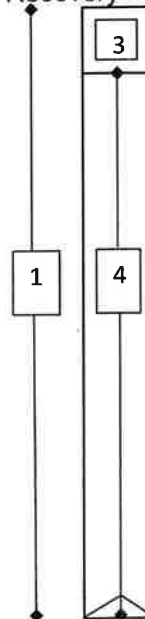
7. Processing Recovery Depth: 11.20 ft

8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

Steady drive.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-K See

B: Core processing log

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft. core

shifted towards channel because of rip rap extending into subtidal.

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/22/24  
Weather: 50's partly cloudy  
Logged By: CC

Location ID: 1T1426  
Attempt No.: 1  
Core Type: ☒ Intertidal ☐ Subtidal ☐ Shoaling  
Field Staff: CC

Field Collection Coordinates:  
Lat/Northing: 200466.02

Long/Easting: 1270206.29

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: - 5.5 ft

## B. Tide Level Measurement

Time: 0822  
Height: ~~at 3.42~~ + 2.97 ft  
Source: RTIC

## C. Mudline Elevation

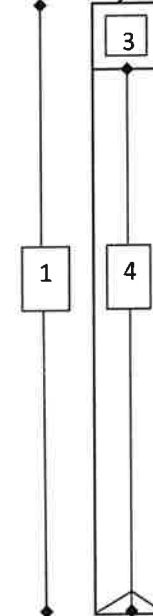
- 2.5 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 7.90 ft
3. Headspace Measurement: 0.15 ft
4. Field Recovery Depth: 7.85 ft
5. Field Recovery Percentage: 99.4 %
6. Core Accepted: ☒ Yes / ☐ No
7. Processing Recovery Depth: 8.00 ft
8. Adjusted Recovery Percentage: 100 %

Drive Notes: Easy drive, sand at top

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-H  
B: See Core Processing log  
C:  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: IT1428

Date: 5/22/24

Attempt No.: 1

Weather: 50's partly cloudy

Core Type: Intertidal Subtidal Shoaling

Logged By: CC

Field Staff: CC

## Field Collection Coordinates:

Lat/Northing: 208381.07

Long/Easting: 1270292.72

### A. Water Depth

DTM Depth Sounder:        ft

DTM Lead Line: 7.70 ft

- 7.7

### B. Tide Level Measurement

Time: 0753

Height: +4.84 ft

Source: RTK

### C. Mudline Elevation

-2.9 (ft MLLW)

### Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 7.80 ft

3. Headspace Measurement: 0.85 ft

4. Field Recovery Depth: 7.15 ft

5. Field Recovery Percentage: 91.0%

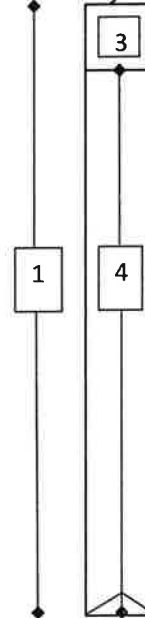
6. Core Accepted: (Yes) / No

7. Processing Recovery Depth: 6.97 ft

8. Adjusted Recovery Percentage: 89.4%

Drive Notes: Easy drive

Recovery Measurements (prior to cuts)



Core Sections To Process:

A: A-G

B: See core

C: processing log

D:       

### Shoe Description:

### Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

### Additional Notes:

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/20/24Weather: 60s, sunLogged By: KMLocation ID: SC1429Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200428.90Long/Easting: 1270349.69

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: - 16.6 ft

## B. Tide Level Measurement

Time: 1432Height: +6.98 ftSource: RTR

## C. Mudline Elevation

-9.6 (ft MLLW)

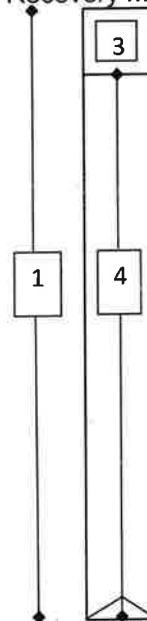
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 11.00 ft3. Headspace Measurement: 1.90 ft4. Field Recovery Depth: 10.10 ft5. Field Recovery Percentage: 91.8%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 10.26 ft8. Adjusted Recovery Percentage: 93.3%

## Drive Notes:

Free drive to 9 ft, then resistance to 11 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-JB: See core processing logC:       D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:



# Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II  
Date: 5/26/24  
Weather: 60, sun  
Logged By: KM

Location ID: SL1430  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 200476.34

Long/Easting: 1270382.46

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -21.5 ft

## B. Tide Level Measurement

Time: 1345  
Height: +5.25 ft  
Source: RTK

## C. Mudline Elevation

-16.3 (ft MLLW)

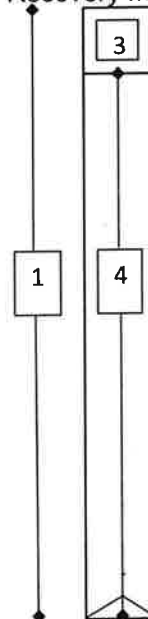
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 16.80 ft
3. Headspace Measurement: 4.00 ft
4. Field Recovery Depth: 16.00 ft
5. Field Recovery Percentage: 95.2%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 17.09 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-P  
B: See core  
C: processing log  
D: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/13/24  
Weather: GWS, overcast  
Logged By: KM

Location ID: SC1431  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200502.16

Long/Easting: 1270421.56

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: - 21.6 ft

## B. Tide Level Measurement

Time: 1450

Height: + 3.38 ft

Source: RTK

## C. Mudline Elevation

- 18.2 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft

2. Penetration Depth: 14.00 ft

3. Headspace Measurement: 1.30 ft

4. Field Recovery Depth: 13.70 ft

5. Field Recovery Percentage: 97.9%

6. Core Accepted: (Yes) / No

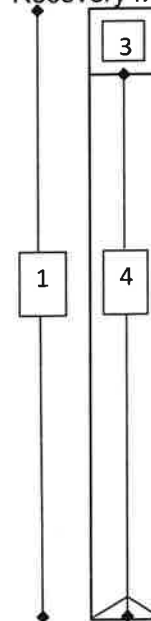
7. Processing Recovery Depth: 14.04 ft

8. Adjusted Recovery Percentage: 106%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-L  
B: See core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -31 ft MLLW

sheal: -18.2 ft to -20.0 ft MLLW = 1.8 ft

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6/13/24Weather: 50s, sunLogged By: KMLocation ID: SC1432Attempt No.: 1Core Type: Intertidal (Subtidal) ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200608.89Long/Easting: 1270547.30

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -22.2 ft

## B. Tide Level Measurement

Time: 0748Height: 15.31 ftSource: RTK

## C. Mudline Elevation

-16.9 (ft MLLW)

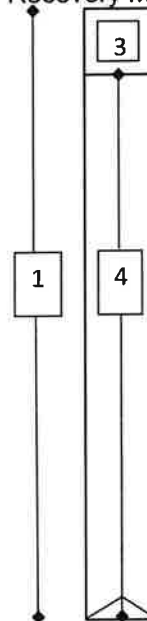
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 10.00 ft3. Headspace Measurement: 10.00 ft4. Field Recovery Depth: 10.00 ft5. Field Recovery Percentage: 100.0%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 10.12 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive to refusal @ 10 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-I  
B: Sh core  
C: processing log  
D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft core

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6.10.2024

Weather: overcast, SOS

Logged By: SR

Location ID: SC1433

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: SR

## Field Collection Coordinates:

Lat/Northing: 200664.55

Long/Easting: 1270606.59

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -10.9 ft

## B. Tide Level Measurement

Time: 1055

Height: +4.13 ft

Source: RTK

## C. Mudline Elevation

-6.8 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 (se) ft

2. Penetration Depth: 9.70 10.70 ft

3. Headspace Measurement: 0.35 ft

4. Field Recovery Depth: 11.65 ft

5. Field Recovery Percentage: 108.9%

6. Core Accepted: (Yes) No

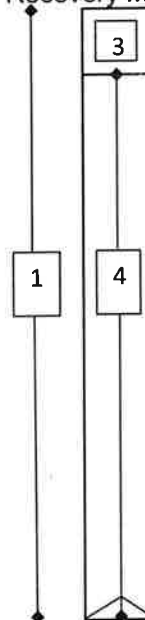
7. Processing Recovery Depth: 11.69 ft

8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

hard drive for 1st foot, then steady drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-K see

B: Core processing log

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft.



## Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II  
Date: 6-10-2024  
Weather: overcast, SCS  
Logged By: SR

Location ID: 1T1434  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: SR

## Field Collection Coordinates:

Lat/Northing: 200335.41Long/Easting: 1270387.00

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -8.5 ft

## B. Tide Level Measurement

Time: 1005Height: +6.06 ftSource: RTK

## C. Mudline Elevation

-2.9 (ft MLLW)

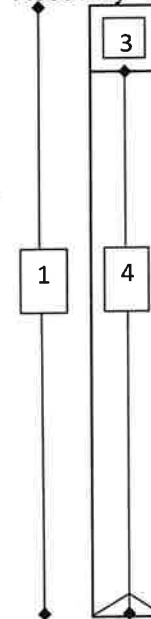
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 2.20 ft
3. Headspace Measurement: 6.25 ft
4. Field Recovery Depth: 1.75 ft
5. Field Recovery Percentage: 79.5%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 1.70 ft
8. Adjusted Recovery Percentage: 77.3%

## Drive Notes:

hard drive to refusal.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A 0-34.8B 34.8-51.8

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft.Accepted. Best of 3 attempts.

## Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II

Location ID: SC1435Date: 6.10.2024Attempt No.: 2Weather: overcast, 50s, mistCore Type: Intertidal Subtidal ShoalingLogged By: SRField Staff: SR

## Field Collection Coordinates:

Lat/Northing: 200363.76Long/Easting: 1270417.17

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -15.6 ft

## B. Tide Level Measurement

Time: 0844Height: +8.21 ftSource: RTK

## C. Mudline Elevation

-7.4 (ft MLLW)

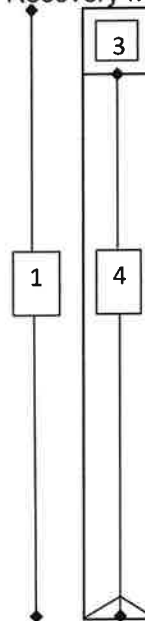
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 10.30 ft3. Headspace Measurement: 5.50 ft4. Field Recovery Depth: 6.50 ft5. Field Recovery Percentage: 63.1%6. Core Accepted: Yes / No7. Processing Recovery Depth: 6.72 ft8. Adjusted Recovery Percentage: 65.2%

## Drive Notes:

Steady drive, resistance last foot to refusal.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A - I see  
core processing logB: logC:   D:   

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft coreAccepted. Best of 3 attempts.

# Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II  
Date: 6.11.24  
Weather: 50s cloudy  
Logged By: CC

Location ID: 1T1437  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: CC

Field Collection Coordinates:  
Lat/Northing: 200256.11

Long/Easting: 1270474.77

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: - 8.5 ft

## B. Tide Level Measurement

Time: 1043  
Height: + 6.27 ft  
Source: RTK

## C. Mudline Elevation

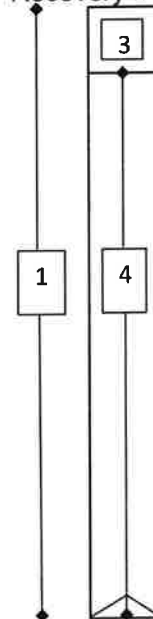
- 2.2 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 3.80 ft
3. Headspace Measurement: 5.00 ft
4. Field Recovery Depth: 3.00 ft
5. Field Recovery Percentage: 78.9%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 3.15 ft
8. Adjusted Recovery Percentage: 82.9%

Drive Notes: Hard drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-C  
B: See core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target 7.5 ft core  
accepted best of 3 attempts.

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/24  
Weather: Sunny, 60s  
Logged By: DS

Location ID: SC1438  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: SR, DS

Field Collection Coordinates:  
Lat/Northing: 200308.65

Long/Easting: 1270525.10

## A. Water Depth

DTM Depth Sounder: - ft  
DTM Lead Line: -13.0 ft

## B. Tide Level Measurement

Time: 1600  
Height: +2.26 ft  
Source: RTK

## C. Mudline Elevation

-10.7 (ft MLLW)

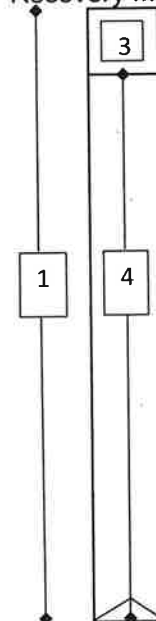
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 11.00 ft
3. Headspace Measurement: 0.50 ft
4. Field Recovery Depth: 11.50 ft
5. Field Recovery Percentage: 104.5%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 11.44 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

consistent drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-K  
B: see core  
C: process glass  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

10 ft target



## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/20/24Weather: 50s, sunLogged By: KMLocation ID: SC1439Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200343.35Long/Easting: 1270568.74

## A. Water Depth

DTM Depth Sounder:      ftDTM Lead Line: -16.7 ft

## B. Tide Level Measurement

Time: 1020Height: -0.08 ftSource: RTK

## C. Mudline Elevation

-16.8 (ft MLLW)

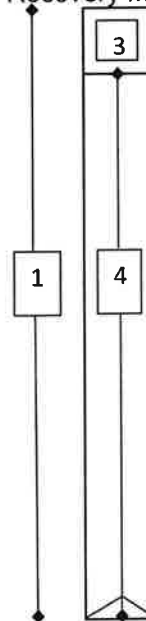
## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft2. Penetration Depth: 14.70 ft3. Headspace Measurement: 0.70 ft4. Field Recovery Depth: 14.30 ft5. Field Recovery Percentage: 97.3%6. Core Accepted: Yes No7. Processing Recovery Depth: 14.91 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-MB: See core processing logC:     D:     

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

sheal: -16.8 ft to -20.0 ft = 3.2 ft

## Additional Notes:

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/7/24  
Weather: 60s, sun  
Logged By: km

Location ID: SC1440  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: km

Field Collection Coordinates:  
Lat/Northing: 200408.48

Long/Easting: 1270622.77

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -21.4 ft

## B. Tide Level Measurement

Time: 1357  
Height: -1.13 ft  
Source: RTK

## C. Mudline Elevation

-22.5 (ft MLLW)

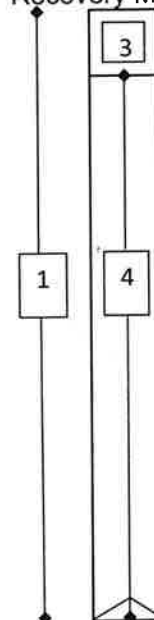
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 10.00 ft
3. Headspace Measurement: 1.30 ft
4. Field Recovery Depth: 10.70 ft
5. Field Recovery Percentage: 107.0%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 11.10 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-J (see  
B: core processing  
C: log)  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -31 ft MLLW

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6/7/24Weather: 60s, sunLogged By: KMLocation ID: 561441Attempt No.: 1Core Type: Intertidal (Subtidal) ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200470.73Long/Easting: 1270666.29

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -16.5 ft

## B. Tide Level Measurement

Time: 1019Height: -0.56 ftSource: RTK

## C. Mudline Elevation

-17.1 (ft MLLW)

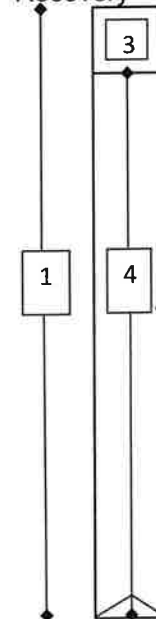
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 km ft2. Penetration Depth: 11.30 50 ft3. Headspace Measurement: 7.10 ft4. Field Recovery Depth: 12.90 ft5. Field Recovery Percentage: 112.2%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 13.35 ft8. Adjusted Recovery Percentage: 105.0%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-M sec  
core processingB: logC:       D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft core

## Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II

Location ID: SC1442Date: 6/7/24Attempt No.: 2Weather: 60s sunCore Type: Intertidal Subtidal ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200S11.12Long/Easting: 1270722.52

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: - 5.7 ft

## B. Tide Level Measurement

Time: 1122Height: - 2.65 ftSource: KTK

## C. Mudline Elevation

- 8.4 (ft MLLW)

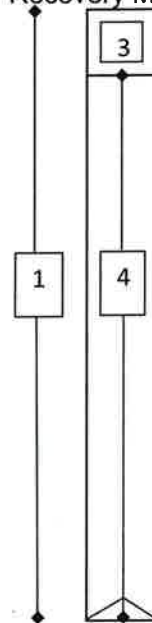
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 8.50 ft3. Headspace Measurement: 3.50 ft4. Field Recovery Depth: 8.50 ft5. Field Recovery Percentage: 100.0%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 8.50 ft8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

Free drive to 7 ft then resistance to  
8.5 ft + refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-H sec  
core processingB: logC:       D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft core  
Process attempt 2 (best of 3)



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6.11.24  
Weather: 50s cloudy  
Logged By: cc

Location ID: 1T1443  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: cc

## Field Collection Coordinates:

Lat/Northing: 200478.01

Long/Easting: 1270804.50

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -7.9 ft

## B. Tide Level Measurement

Time: 1145  
Height: 14.67 ~~cc~~ 4.37 ft  
Source: RTK

## C. Mudline Elevation

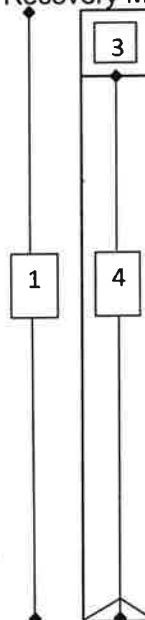
-3.2' (ft MLLW)  
-3.5

## Core Collection Recovery Details:

1. Core Tube Length: ~~8.00~~ 10.00 ft
2. Penetration Depth: 7.00 ft
3. Headspace Measurement: 3.05 ft
4. Field Recovery Depth: 6.95 ft
5. Field Recovery Percentage: 99.3%
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 6.92 ft
8. Adjusted Recovery Percentage: 98.9%

Drive Notes: coarse sand in shoe refusal at 7 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-G  
B: SA core processing log  
C:  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target 7.5ft  
accepted despite < 7.5ft drive due to good recovery and limited options to move.

# Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Location ID: 1T/444

Date: 6/19/24

Attempt No.: 2

Weather: 70s, sun

Core Type: Intertidal Subtidal Shoaling

Logged By: KM

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200212.50

Long/Easting: 1270502.30

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -5.9 ft

## B. Tide Level Measurement

Time: 1351

Height: +5.30 ft

Source: RTK

## C. Mudline Elevation

-0.6 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft

2. Penetration Depth: 2.50m 2.10 ft

3. Headspace Measurement: 3.30 ft

4. Field Recovery Depth: 1.70 ft

5. Field Recovery Percentage: 81.0%

6. Core Accepted: (Yes) No

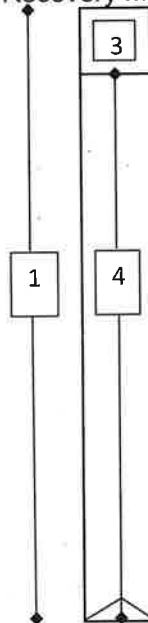
7. Processing Recovery Depth: 2.24m 1.63 ft

8. Adjusted Recovery Percentage: 100% 77.6%

## Drive Notes:

slow drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-95.34.9cm

B: —

C: —

D: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-45cm

# Sediment Core Collection Form

Page 4 of 8

Project: LDW AOC5 MR Phase II  
Date: 6-26-24  
Weather: 60s cloudy  
Logged By: CC

Location ID: 171448  
Attempt No.: 4  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: CC KM

## Field Collection Coordinates:

Lat/Northing: 200120.91

Long/Easting: 1270598.30

## A. Water Depth

DTM Depth Sounder: ft  
DTM Lead Line: -9.5 ft

## B. Tide Level Measurement

Time: 0914  
Height: +8.93 ft  
Source: RTK

## C. Mudline Elevation

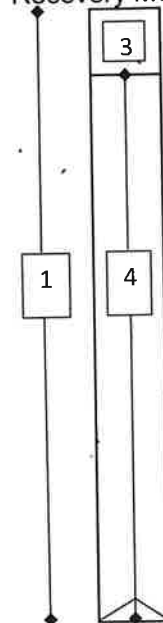
-0.6 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 3.20 ft
3. Headspace Measurement: 2 ~ 5.10 ft
4. Field Recovery Depth: 2.90 ft
5. Field Recovery Percentage: 90.6%
6. Core Accepted: Yes/ No
7. Processing Recovery Depth: 2.93 ft
8. Adjusted Recovery Percentage: 91.6%

Drive Notes: hard drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A → 0-41.2 cm  
B: B → 41.2 → 68.7 cm  
C: C → 68.7 → 89.3 cm  
D:

Shoe Description: void ~ 10cm above bottom of core.

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core  
other cores in this area hit refusal at similar depth

## Sediment Core Collection Form

Page 1 of 6

Project: LDW AOC5 MR Phase II

Date: 8/1/24

Weather: 80s, sun

Logged By: KM

Location ID: ~~171405~~ 171450

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200147.22

Long/Easting: 1270615.63

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: - 9.1 ft

## B. Tide Level Measurement

Time: 1332

Height: + 8.11 ft

Source: RTK

## C. Mudline Elevation

- 1.0 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft

2. Penetration Depth: 9.90 ft

3. Headspace Measurement: ~~10.60~~ 3.40 ft4. Field Recovery Depth: ~~10.40~~ 6.60 ft5. Field Recovery Percentage: ~~64.6%~~ 66.7%6. Core Accepted (Yes ☒ No ☐ KM)

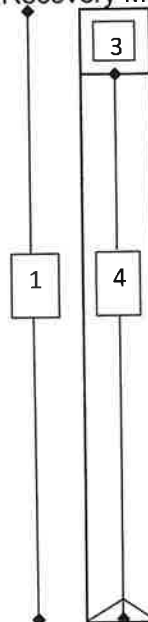
7. Processing Recovery Depth: 6.48 ft

8. Adjusted Recovery Percentage: 65.5%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-I

B: See core

C: Processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft core (target coordinates are subtidal and under riverboat;  
collect as close to target as possible - ~ 35 ft)  
process attempt 1 (best of 3 extractable cores)



## Sediment Core Collection Form

Page 6 of 6

Project: LDW AOC5 MR Phase II

Date: 8/1/24

Weather: 80s, sun

Logged By: KM

Location ID: 151450

Attempt No.: 6

Core Type: Intertidal Subtidal Shoaling

Field Staff: KM

## Field Collection Coordinates:

Lat (Northing): 20014236

Long (Easting): 1270621.60

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -13.6 ft

## B. Tide Level Measurement

Time: 1546

Height: +13.03 ft

Source: RTK

## C. Mudline Elevation

-0.6 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft

2. Penetration Depth: 4.90 ft

3. Headspace Measurement: 1.00 ft

4. Field Recovery Depth: 4.00 ft

5. Field Recovery Percentage: 81.6%

6. Core Accepted: Yes / No

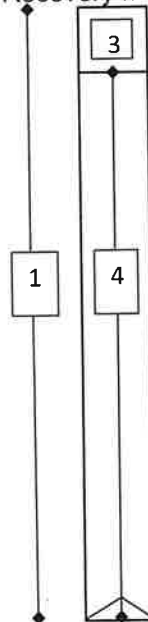
7. Processing Recovery Depth: 4.09 ft

8. Adjusted Recovery Percentage: 83.5%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-8.35 cm

B:

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: top 0-10 cm for surface sample SS1450

## Sediment Core Collection Form

Page 4 of 6

Project: LDW AOC5 MR Phase II

Location ID: SS1450Date: 8/1/24Attempt No. 4Weather: 80s, SunCore Type: Intertidal Subtidal ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200145.25Long/Easting: 1270619.77

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: - 13.3 ft

## B. Tide Level Measurement

Time: 1524Height: +12.53 ftSource: RTK

## C. Mudline Elevation

-1270619.77 <sup>km</sup> (ft MLLW)-0.8

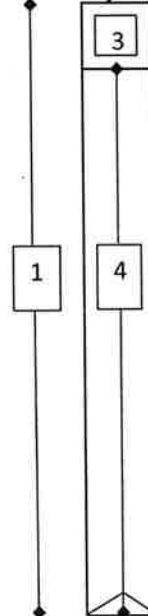
## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft2. Penetration Depth: 1.10 ft3. Headspace Measurement: 4.10 ft4. Field Recovery Depth: 1.90 ft5. Field Recovery Percentage: 81.8%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 0.95 ft8. Adjusted Recovery Percentage: 86.4%

## Drive Notes:

Free drive to resistance at ~1 ft  
and tube began to tip

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0 - 8.64 cmB:       C:       D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: short core for surface sediment sample SS1450

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: SC1451

Date: 7/25/24

Attempt No.: 1

Weather: 70, partly cloudy

Core Type: Intertidal ☒ Subtidal ☐ Shoaling ☐

Logged By: KM

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200221.96

Long/Easting: 1270700.87

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -16.2 ft

## B. Tide Level Measurement

Time: 1358

Height: +0.64 ft

Source: RTK

## C. Mudline Elevation

-15.6 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft

2. Penetration Depth: 16.50 17.00 ft

3. Headspace Measurement: 0.20 ft

4. Field Recovery Depth: 19.80 ft

5. Field Recovery Percentage: 116.5%

6. Core Accepted: (Yes) No

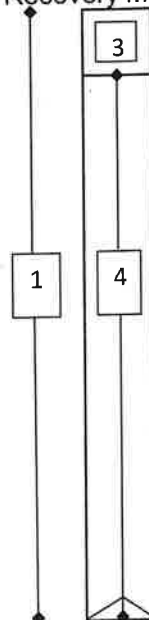
7. Processing Recovery Depth: 20.18 ft

8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-Q  
B: see core processing log  
C: \_\_\_\_\_  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

forget: -31 ft MLLW

Shoal: -15.6 ft MLLW to -20.0 ft MLLW = 4.4 ft

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: SC1452Date: 6/13/24Attempt No.: 1Weather: 60s overcastCore Type: Intertidal (Subtidal) ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat(Northing): 200343.74Long(Easting): 1270835.45

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -20.5 ft

## B. Tide Level Measurement

Time: 1212Height: +6.14 ftSource: RTK

## C. Mudline Elevation

-14.4 (ft MLLW)

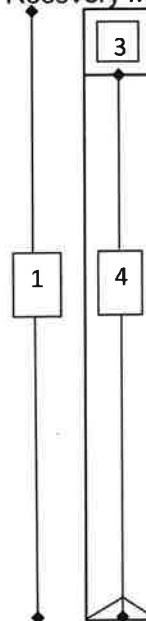
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 11.00 ft3. Headspace Measurement: 0.50 ft4. Field Recovery Depth: 11.50 ft5. Field Recovery Percentage: 104.5%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 11.35 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-KB: ShoreC: Processing logD: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft core



## Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II

Date: 6/13/24Weather: 60s overcastLogged By: KMLocation ID: SC1453Attempt No.: 3Core Type: Intertidal (Subtidal) ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200272.01Long/Easting: 1270905.72

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -19.0 ft

## B. Tide Level Measurement

Time: 1358Height: +4.18 ftSource: RTK

## C. Mudline Elevation

-14.8 (ft MLLW)

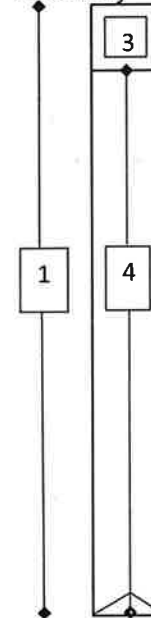
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 10.50 ft3. Headspace Measurement: 2.50 ft4. Field Recovery Depth: 9.50 ft5. Field Recovery Percentage: 90.5%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 9.93 ft8. Adjusted Recovery Percentage: 94.6%

## Drive Notes:

free drive to refusal @ 10.5 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-JB: See coreC: processing logD:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft core

# Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II  
Date: 6/17/24  
Weather: 50s, overcast  
Logged By: km

Location ID: 1T1455  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: km

## Field Collection Coordinates:

Lat/Northing: 200031.12

Long/Easting: 1270689.31

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -7.8 ft

## B. Tide Level Measurement

Time: 1302  
Height: +6.36 ft  
Source: RTK

## C. Mudline Elevation

-1.4 (ft MLLW)

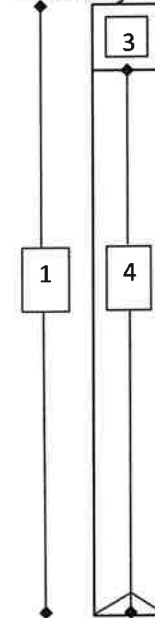
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 2.00 ft
3. Headspace Measurement: 6.20 ft
4. Field Recovery Depth: 1.80 ft
5. Field Recovery Percentage: 90.0%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 1.85 ft
8. Adjusted Recovery Percentage: 92.5%

## Drive Notes:

free drive to hard refusal @ 2 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-0-41.6cm  
B: B-41.6-56.4cm  
C:         
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core  
process attempt 1 (best of 3)

Project: LDW AOC5 MR Phase II

Date: 6-26-24

Weather: 60s cloudy

Logged By: CC

Location ID: IT1457

Attempt No.: 3

Core Type: Intertidal Subtidal Shoaling

Field Staff: RM CC

## Field Collection Coordinates:

Lat/Northing: 199966.54

Long/Easting: 1270725.40

## A. Water Depth

DTM Depth Sounder: ft

DTM Lead Line: -5.7 ft

## B. Tide Level Measurement

Time: 1056

Height: +5.80 ft

Source: RTK

## C. Mudline Elevation

+0.1 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 4.00 ft

3. Headspace Measurement: 5.10 ft

4. Field Recovery Depth: 2.90 ft

5. Field Recovery Percentage: 72.5%

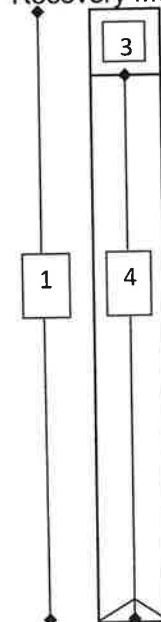
6. Core Accepted: (Yes) / No

7. Processing Recovery Depth: 2.86 ft

8. Adjusted Recovery Percentage: 71.5%

Drive Notes: hard drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A → 0-32.2 cm

B: B → 32.2 → 53.7 cm

C: C → 53.7 → 87.2 cm

D:

Shoe Description: sand.

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core.

accepted: best recovery of 3 attempts

## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Date: 6-10-2024Weather: overcast, SUS, mistLogged By: SPLocation ID: IT1458Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: SP

## Field Collection Coordinates:

Lat/Northing: 199985.85Long/Easting: 1270757.90

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -10.9 ft

## B. Tide Level Measurement

Time: 0701Height: +8.94 ftSource: RTK

## C. Mudline Elevation

-2.0 (ft MLLW)

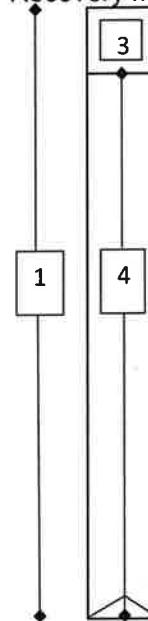
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft2. Penetration Depth: 2.20 ft3. Headspace Measurement: 7.75 ft4. Field Recovery Depth: 2.25 ft5. Field Recovery Percentage: 102.2%6. Core Accepted: (Yes) (No) (SP)7. Processing Recovery Depth: 2.26 ft8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

resistance (hard drive) to  
refusal.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A 0-45.0cm  
B 45.0-68.9cm

C: \_\_\_\_\_

D: \_\_\_\_\_

Shoe Description: compact sand

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ftaccepted best of 3 attempts.



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: May 5/20/24  
Weather: 50s, sun  
Logged By: KM

Location ID: SC1459  
Attempt No.: 1  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200013.34

Long/Easting: 1270815.89

### A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: - 13.3 ft

### B. Tide Level Measurement

Time: 1119  
Height: + 0.87 ft  
Source: RTK

### C. Mudline Elevation

- 12.4 (ft MLLW)

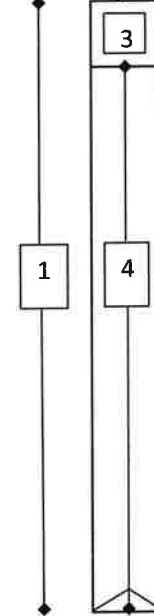
### Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 11.00 ft
3. Headspace Measurement: 1.70 ft
4. Field Recovery Depth: 10.30 ft
5. Field Recovery Percentage: 93.6%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 10.28 ft
8. Adjusted Recovery Percentage: 93.5%

### Drive Notes:

free drive

### Recovery Measurements (prior to cuts)



### Core Sections To Process:

- A: A-J  
B: See core  
C: processing log  
D:

### Shoe Description:

### Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

### Additional Notes:

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6/7/24Weather: 60s, sunLogged By: ICMLocation ID: SC1460Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200074.26Long/Easting: 1270843.50

## A. Water Depth

DTM Depth Sounder:      ftDTM Lead Line: - 14.7 ft

## B. Tide Level Measurement

Time: 1254Height: - 3.14 ftSource: RTK

## C. Mudline Elevation

- 17.8 (ft MLLW)

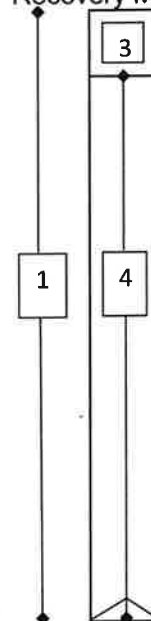
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 14.50 ft3. Headspace Measurement: 4.50 ft4. Field Recovery Depth: 15.50 ft5. Field Recovery Percentage: 106.9%6. Core Accepted: Yes / No7. Processing Recovery Depth: 16.11 ft8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A - N see  
core processingB: logC:     D:     

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -31 ft MLLWshoal: -17.8 ft to -20.0 ft MLLW = 2.2 ft

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6-10-2024Weather: overcast, 50s, mistLogged By: SRLocation ID: 1T1462Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: SR

## Field Collection Coordinates:

Lat/Northing: 199921.34Long/Easting: 1270773.09

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -12.4 ft

## B. Tide Level Measurement

Time: 0753Height: + 8.94 ftSource: RTK

## C. Mudline Elevation

-3.5 (ft MLLW)

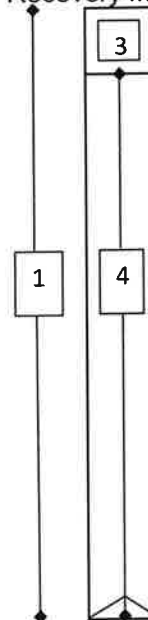
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 1.50 ft3. Headspace Measurement: 6.70 ft4. Field Recovery Depth: 1.30 ft5. Field Recovery Percentage: 86.7%6. Core Accepted: Yes / No7. Processing Recovery Depth: 1.33 ft8. Adjusted Recovery Percentage: 88.7%

## Drive Notes:

hard drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-39.9 cm

B: \_\_\_\_\_

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 1.5 ft (short core)

## Sediment Core Collection Form

Page 4 of 4  
AV AV

Project: LDW AOC5 MR Phase II

Location ID: 1T1463

Date: 6-23-24

Attempt No.: 24

Weather: 70s sunny

Core Type: (Intertidal) Subtidal Shoaling

Logged By: CC

Field Staff: SRCC

## Field Collection Coordinates:

Lat/Northing: 199863.41

Long/Easting: 1270779.55

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: \_\_\_\_\_ ft

## B. Tide Level Measurement

Time: 1220 ~ 1228

Height: -0.52 ft

Source: RTK

## C. Mudline Elevation

\_\_\_\_\_ (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft

2. Penetration Depth: 3.00 ft

3. Headspace Measurement: 2.85 ft

4. Field Recovery Depth: 2.15 ft

5. Field Recovery Percentage: 71.7%

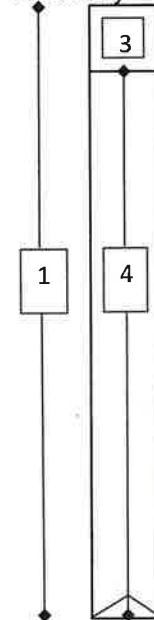
6. Core Accepted: (Yes) / No

7. Processing Recovery Depth: 2.44 ft

8. Adjusted Recovery Percentage: 81.3%

Drive Notes: hard drive after first foot

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0 - 36.6 cm

B: 36.6 - 74.4 cm

C: \_\_\_\_\_

D: \_\_\_\_\_

Shoe Description: Sand.

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5ft core  
no form for attempt 1.  
Accepted attempt 2



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/14/24  
Weather: 60s, cloudy  
Logged By: KM

Location ID: km SC1464  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 199838.03

Long/Easting: 1270847.11

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -11.0 ft

## B. Tide Level Measurement

Time: 1601  
Height: +4.12 ft  
Source: RTK

## C. Mudline Elevation

-6.9 (ft MLLW)

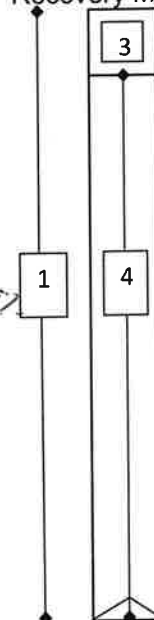
## Core Collection Recovery Details:

1. Core Tube Length: 6.50 ft
2. Penetration Depth: 3.00 ft
3. Headspace Measurement: 4.20 ft
4. Field Recovery Depth: 2.30 ft
5. Field Recovery Percentage: 76.7%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 2.24 ft
8. Adjusted Recovery Percentage: 74.7% 74.6% 74.7%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: 0 - 44.8  
B: \_\_\_\_\_  
C: \_\_\_\_\_  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-60 cm

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/22/24  
Weather: 50's cloudy  
Logged By: CC

Location ID: SC1465  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: CC

Field Collection Coordinates:  
Lat/Northing: 199928.80

Long/Easting: 1270876.30

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -14.8 ft

## B. Tide Level Measurement

Time: 1057  
Height: -1.53 ft  
Source: RTK

## C. Mudline Elevation

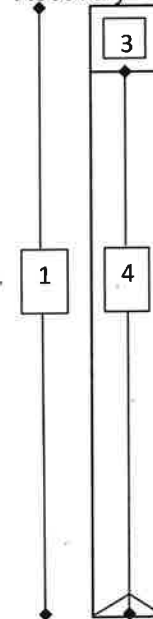
-16.3 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 11.60 ft
3. Headspace Measurement: 0.29 ft
4. Field Recovery Depth: 11.71 ft
5. Field Recovery Percentage: 100.9%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 11.99 ft
8. Adjusted Recovery Percentage: 100%

Drive Notes: Easy drive -

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-K  
B: See core  
C: processing log  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

# Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II  
Date: 6/6/24  
Weather: 60s, sun  
Logged By: KM

Location ID: SC1466  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 199974.46

Long/Easting: 1270924.15

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -21.0 ft

## B. Tide Level Measurement

Time: 1433  
Height: +2.26 ft  
Source: RTK

## C. Mudline Elevation

-18.7 (ft MLLW)

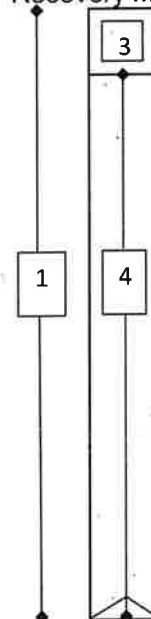
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 13.50 ft
3. Headspace Measurement: 12.70 ft
4. Field Recovery Depth: 7.30 ft
5. Field Recovery Percentage: ~~54.0%~~ 54.1%
6. Core Accepted: Yes/No
7. Processing Recovery Depth: 7.85 ft
8. Adjusted Recovery Percentage: 58.1%

## Drive Notes:

free core

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-L  
B: see core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -31 ft MLLW  
sheal: -18.7 ft to -20.0 ft = 1.3 ft

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6/17/24Weather: 60s. sunLogged By: KMLocation ID: 171467Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200382.42Long/Easting: 1271034.47

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -7.7 ft

## B. Tide Level Measurement

Time: 1314Height: 3.52 3.91 ftSource: RTK

## C. Mudline Elevation

-3.8 (ft MLLW)

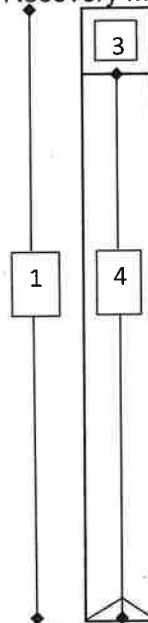
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 2.50 ft3. Headspace Measurement: 5.90 ft4. Field Recovery Depth: 2.10 ft5. Field Recovery Percentage: 84.0%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 2.24 ft8. Adjusted Recovery Percentage: 89.6%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-40.3 cmB:                     C:                     D:                     

## Shore Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-45 cm



## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 7/10/24Weather: 80s, SunLogged By: KMLocation ID: SC1468Attempt No.: 2Core Type: Intertidal (Subtidal) ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200302.50Long/Easting: 1271171.31

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -6.8 ft

## B. Tide Level Measurement

Time: 1239Height: +2.77 ftSource: RTK

## C. Mudline Elevation

-4.0 (ft MLLW)

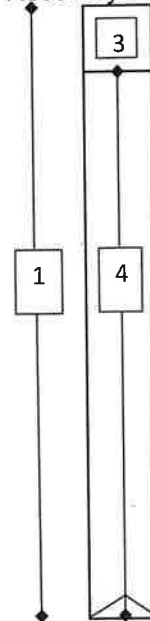
## Core Collection Recovery Details:

1. Core Tube Length: 25.00 ft2. Penetration Depth: 24.00 ft3. Headspace Measurement: 2.30 ft4. Field Recovery Depth: 22.70 ft5. Field Recovery Percentage: 94.6%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 23.00 ft8. Adjusted Recovery Percentage: 95.8%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-WB: See coreC: processing logD: 

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -27 ft MLLW

## Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II

Location ID: 171469Date: 5/21/24Attempt No.: 2Weather: So, rainCore Type: Intertidal Subtidal ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200354.10Long/Easting: 1271229.06

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -6.7 ft

## B. Tide Level Measurement

Time: 0749Height: +3.51 ftSource: RTN

## C. Mudline Elevation

-2.9 (ft MLLW)

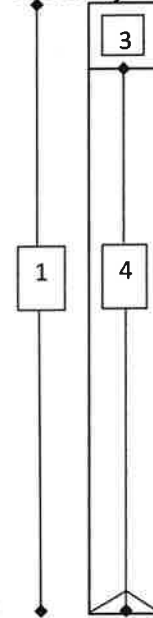
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 7.70 ft3. Headspace Measurement: 2.90 ft4. Field Recovery Depth: 5.30 ft5. Field Recovery Percentage: 68.8%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 5.40 ft8. Adjusted Recovery Percentage: 70.1%

## Drive Notes:

resistance most of drive, especially  
in first 2-3 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-GB: See coreC: processing logD:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

best of 3 cores despite <75% recovery

## Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II

Date: 5/21/24Weather: Sc, rainLogged By: kmLocation ID: 171470Attempt No.: 3Core Type: Intertidal Subtidal ShoalingField Staff: km

## Field Collection Coordinates:

Lat/Northing: 200303.54Long/Easting: 1271242.02

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -3.9 ft

## B. Tide Level Measurement

Time: 0923Height: 0.14 ftSource: RTK

## C. Mudline Elevation

-3.8 (ft MLLW)

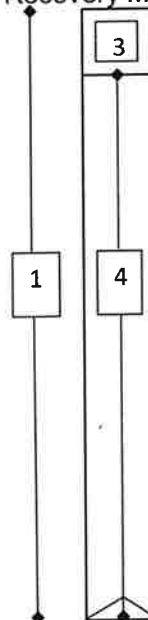
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 7.70 ft3. Headspace Measurement: 0.10 ft4. Field Recovery Depth: 7.90 ft5. Field Recovery Percentage: 102.6 %6. Core Accepted: Yes No7. Processing Recovery Depth: 7.45 ft8. Adjusted Recovery Percentage: 96.8 %

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A - GB: See coreC: processing logD:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 6/20/24Weather: 60s, sunLogged By: KMLocation ID: SC1476Attempt No.: 2Core Type: Intertidal (Subtidal) ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199778.39Long/Easting: 1271316.35

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -17.5 ft

## B. Tide Level Measurement

Time: 1040Height: -2.07 ftSource: RTK

## C. Mudline Elevation

-19.6 (ft MLLW)

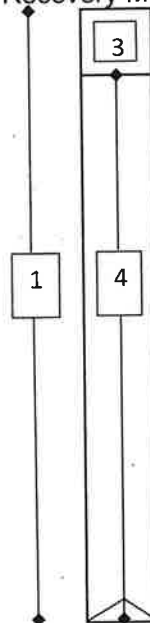
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 11.50 ft3. Headspace Measurement: 0.50 ft4. Field Recovery Depth: 11.50 ft5. Field Recovery Percentage: 100.0%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 11.85 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-KB: See coreC: processing logD:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft core



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/19/24  
Weather: 68s, Sun  
Logged By: KM

Location ID: SC1477  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 199820.07

Long/Easting: 1271345.99

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -17.2 ft

## B. Tide Level Measurement

Time: 1207  
Height: +1.22 ft  
Source: RTK

## C. Mudline Elevation

-16.0 (ft MLLW)

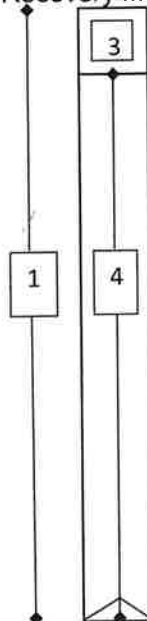
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 3.00 ft
3. Headspace Measurement: 5.00 ft
4. Field Recovery Depth: 3.00 ft
5. Field Recovery Percentage: 100.0%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 3.00 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: 2-AV 0-60cm / 0-10cm SS
- B:
- C:
- D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-60 cm

# Sediment Core Collection Form

Page 1 of 2

Project: LDW AOC5 MR Phase II  
Date: 6.21.24  
Weather: 70s sunny  
Logged By: CC

Location ID: SC1479  
Attempt No.: 1  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: CC

## Field Collection Coordinates:

Lat/Northing: 199755.14

Long/Easting: 127137592

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -16.3 ft

## B. Tide Level Measurement

Time: 1042  
Height: -2.73 ft  
Source: RTK

## C. Mudline Elevation

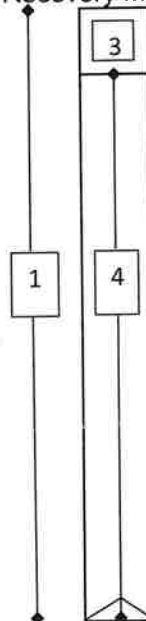
-19.0 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 9.00 - 9.50 ft
3. Headspace Measurement: 4.24 ft
4. Field Recovery Depth: 7.76 ft
5. Field Recovery Percentage: 81.7%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 8.11 ft
8. Adjusted Recovery Percentage: 85.4%

Drive Notes: hard refusal at 9ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-I  
B: See core  
C: processing log  
D:

Shoe Description: sand

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10ft core  
Collect 0-10in sample in core.  
Process this attempt as vertical and 0-10. Process attempt 2 as 0-10.

# Sediment Core Collection Form

351479

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 6.21.24

Weather: 70s sunny

Logged By: CC

Location ID: ~~SC149~~ <sup>CC</sup> 351479 DS

Attempt No.: 2

Core Type: Intertidal (Subtidal) Shoaling

Field Staff: CC

## Field Collection Coordinates:

Lat/Northing: 199756.11

Long/Easting: 1271379.33

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: ~16.2 ft

## B. Tide Level Measurement

Time: 1126

Height: -2.34 ft

Source: RTK

## C. Mudline Elevation

-18.5 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 9.00 ft

3. Headspace Measurement: 4.10 ft

4. Field Recovery Depth: 7.90 ft

5. Field Recovery Percentage: 87.8%

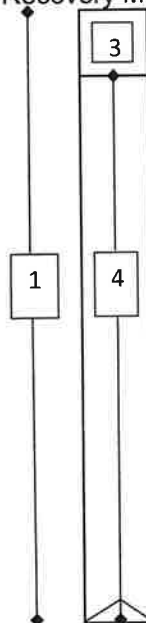
6. Core Accepted: Yes (No) DS

7. Processing Recovery Depth: 7.58 ft

8. Adjusted Recovery Percentage: 84.2%

Drive Notes: Hard refusal at 9 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-8.4 cm

B:

C:

D:

Shoe Description: sand

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target 10ft core.

collect 0-10in sample in core.

Process this attempt as 0-10cm.

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Location ID: SC1478

Date: 6.21.24

Attempt No.: 2

Weather: 70s sunny

Core Type: Intertidal Subtidal Shoaling

Logged By: CC

Field Staff: CC

## Field Collection Coordinates:

Lat/Northing: 199714.97

Long/Easting: 1271344.25

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -17.7 ft

## B. Tide Level Measurement

Time: 1154

Height: -2.04 ft

Source: RTK

## C. Mudline Elevation

-19.7 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft

2. Penetration Depth: 3.00 ft

3. Headspace Measurement: 2.00 ft

4. Field Recovery Depth: 3.00 ft

5. Field Recovery Percentage: 100.0%

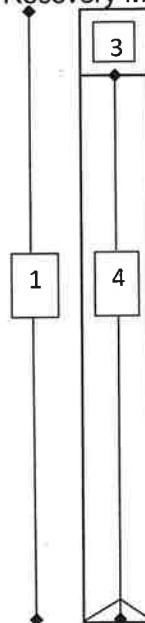
6. Core Accepted: Yes / No

7. Processing Recovery Depth: 3.15 ft

8. Adjusted Recovery Percentage: 100%

Drive Notes: free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-60cm / 0-10cm

B:

C:

D:

## Shore Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-60cm

collect 0-10cm in core.

collecting this attempt to provide volume for 0-10cm sample

Process as 0-60cm and 0-10cm.



## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6/20/24Weather: 70s, sun, windyLogged By: KMLocation ID: SC1480Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat (Northing): 199787.95Long (Easting): 1271422.90

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -15.4 ft

## B. Tide Level Measurement

Time: 1256Height: +1.23 ftSource: RTK

## C. Mudline Elevation

-14.2 (ft MLLW)

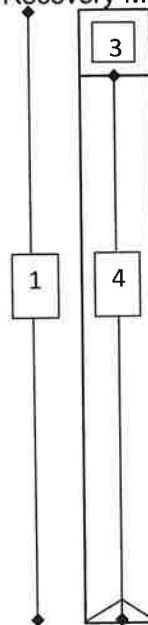
## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft2. Penetration Depth: 3.00 ft3. Headspace Measurement: 2.10 ft4. Field Recovery Depth: 2.90 ft5. Field Recovery Percentage: 96.7%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 3.00m ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-60cmB:       C:       D:       SS  
0-10  
cm

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-60cm

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/17/24  
Weather: 60, overcast  
Logged By: KM

Location ID: SC1482  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 199606.45

Long/Easting: 1271343.73

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -27.6 ft

## B. Tide Level Measurement

Time: 1514  
Height: +8.67 ft  
Source: RTK

## C. Mudline Elevation

-18.9 (ft MLLW)

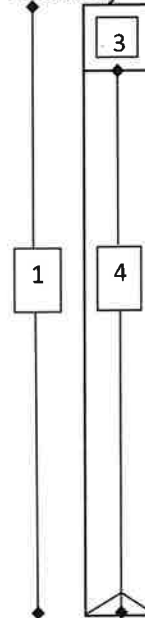
## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft  
2. Penetration Depth: 13.00 ft  
3. Headspace Measurement: 1.90 ft  
4. Field Recovery Depth: 13.10 ft  
5. Field Recovery Percentage: 100.81  
6. Core Accepted: (Yes) No  
7. Processing Recovery Depth: 13.64 ft  
8. Adjusted Recovery Percentage: 100.7

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-M  
B: See core processing log  
D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

Target: -31 ft MLLW  
Shoal: -18.9 ft to -20 ft MLLW: 1.1 ft

## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Date: 6/20/24Weather: 60s, sunLogged By: KMLocation ID: SC1483Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199710.05Long/Easting: 1271424.44

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -16.3 ft

## B. Tide Level Measurement

Time: 1154Height: -1.00 ftSource: RTK

## C. Mudline Elevation

-17.3 (ft MLLW)

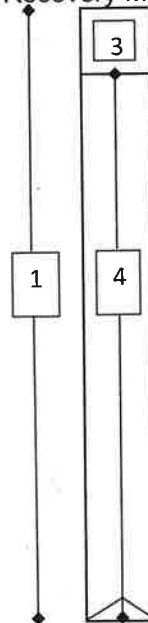
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 9.08 ft3. Headspace Measurement: 3.60 ft4. Field Recovery Depth: 8.40 ft5. Field Recovery Percentage: 93.3%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 8.47 ft8. Adjusted Recovery Percentage: 94.01%

## Drive Notes:

hard refusal @ 9 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-H  
B: See processing logC: \_\_\_\_\_  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target = 10 ft core  
process attempt 1 (best of 3)

# Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II  
Date: 6-25-24  
Weather: 70s sunny  
Logged By: CC

Location ID: 1T1486  
Attempt No.: 2  
Core Type: (Intertidal Subtidal Shoaling)  
Field Staff: CC SR

## Field Collection Coordinates:

Lat/Northing: 199441.13

Long/Easting: 1271198.31

## A. Water Depth

DTM Depth Sounder: ft  
DTM Lead Line: -8.0 ft

## B. Tide Level Measurement

Time: 0936  
Height: +6.88 ft  
Source: RTK

## C. Mudline Elevation

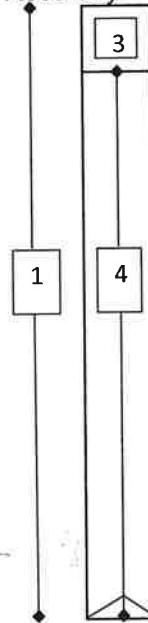
-1.1 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 4.80 ft
3. Headspace Measurement: 4.20 ft
4. Field Recovery Depth: 3.80 ft
5. Field Recovery Percentage: 79.2%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 3.89 ft
8. Adjusted Recovery Percentage: 81.0%

Drive Notes: hard refusal at 4.8

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-D  
B: See core processing log  
C:  
D:

Shoe Description: sand

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core  
keep this attempt



## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 6/18/24Weather: 50s, overcastLogged By: KMLocation ID: SC1488Attempt No.: 2Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199493.23Long/Easting: 1271340.40

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -17.7 ft

## B. Tide Level Measurement

Time: 1224Height: +3.63 ftSource: RTK

## C. Mudline Elevation

-14.1 (ft MLLW)

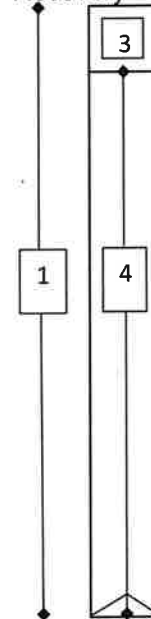
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 18.30 ft3. Headspace Measurement: 3.30 ft4. Field Recovery Depth: 16.70 ft5. Field Recovery Percentage: 91.316. Core Accepted: (Yes) No7. Processing Recovery Depth: 17.07 ft8. Adjusted Recovery Percentage: 93.31

## Drive Notes:

free drive to 18.3 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-NB: See coreC: processing logD:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -31 ft MLLWShoal: -14.1 ft to -20.0 ft : 5.9 ft

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/26/24  
Weather: 60s, sun  
Logged By: KCM

Location ID: SC1489  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KCM

## Field Collection Coordinates:

Lat/Northing: 199545.86

Long/Easting: 1271415.22

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -17.1 ft

## B. Tide Level Measurement

Time: 1117  
Height: -1.71 ft  
Source: RNL

## C. Mudline Elevation

-18.8 (ft MLLW)

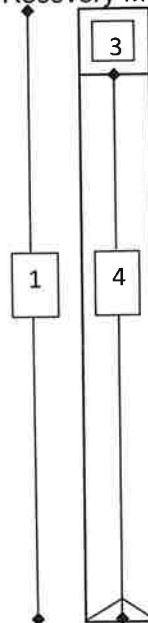
## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft
2. Penetration Depth: 13.00 ft
3. Headspace Measurement: 2.10 ft
4. Field Recovery Depth: 12.90 ft
5. Field Recovery Percentage: 99.2%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 13.02 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-L  
B: See core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -31 ft MLLW  
Shoal: -18.8 ft to -20.0 ft MLLW: 1.2 ft

## Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II

Location ID: SC1490Date: 6/17/24Attempt No.: 2Weather: 60s, overcast, rainCore Type: Intertidal Subtidal ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199614.93Long/Easting: 1271521.63

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -25.7 ft

## B. Tide Level Measurement

Time: 1611Height: +8.87 ftSource: RTK

## C. Mudline Elevation

-16.8 (ft MLLW)

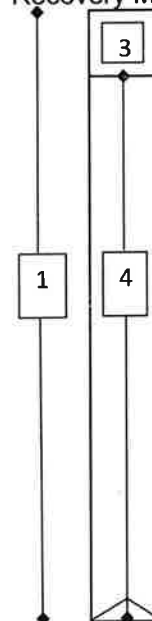
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 9.00 ft3. Headspace Measurement: 6.50 ft4. Field Recovery Depth: 5.50 ft5. Field Recovery Percentage: 61.1%6. Core Accepted: Yes ~~NO~~ KM7. Processing Recovery Depth: 5.37 ft8. Adjusted Recovery Percentage: 59.7%

## Drive Notes:

free drive to 8 ft then hit resistance  
and refusal @ 9 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-HB: See coreC: processing logD:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft core  
process attempt 2 (best of 3 based on drive depth)

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 5/20/24

Weather: 50s, sunny

Logged By: KM

Location ID: SC1491

Attempt No.: 2

Core Type: Intertidal Subtidal Shoaling

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199366.58

Long/Easting: 1271436.03

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: - 11.0 ft

## B. Tide Level Measurement

Time: 0843

Height: +1.33 ft

Source: RTK

## C. Mudline Elevation

- 9.7 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 11.00 ft

3. Headspace Measurement: 2.90 ft

4. Field Recovery Depth: 9.10 ft

5. Field Recovery Percentage: 82.7%

6. Core Accepted: (Yes) No

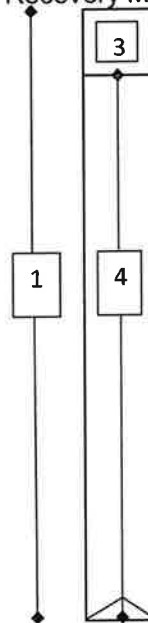
7. Processing Recovery Depth: 9.24 ft

8. Adjusted Recovery Percentage: 84.0

## Drive Notes:

smooth drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-J  
B: See core processing log  
C:  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:



# Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II  
Date: 6-21-24  
Weather: 70s sunny  
Logged By: CC

Location ID: SC1492  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: CC

Field Collection Coordinates:  
Lat/Northing: 199463.88

Long/Easting: 1271518.65

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -20.5 ft

## B. Tide Level Measurement

Time: 1340  
Height: +1.14 ft  
Source: RTK

## C. Mudline Elevation

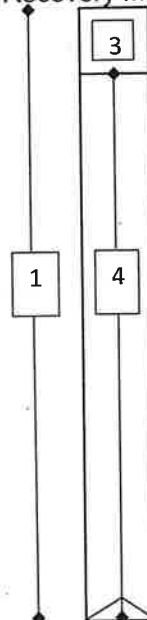
-19.4 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft
2. Penetration Depth: 12.00 ft
3. Headspace Measurement: 5.63 ft
4. Field Recovery Depth: 9.37 ft
5. Field Recovery Percentage: 78.17
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 9.99 ft
8. Adjusted Recovery Percentage: 83.3%

Drive Notes: refusal at 12 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-J  
B: See core processing log  
C: processing log  
D: —

Shoe Description: sand

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target:  $-3 \text{ ft MLLW} - 31 \text{ to } -19.4 = 11.6 \text{ ft core}$   
shoal:  $-20 \text{ ft} - (-19.4) = 0.6 \text{ ft shoal}$   
Process this attempt.

Project: LDW AOC5 MR Phase II

Date: 6.25.24

Weather: 70s sunny

Logged By: CC

Location ID: SC1493

Attempt No.: 3

Core Type: Intertidal Subtidal Shoaling

Field Staff: CC SR

## Field Collection Coordinates:

Lat/Northing: 199523.68

Long/Easting: 1271526.00

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -10.8 ft

## B. Tide Level Measurement

Time: 1347

Height: -1.97 ft

Source:

## C. Mudline Elevation

-18.8 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 11.50 ft

3. Headspace Measurement: 0.40 ft

4. Field Recovery Depth: 11.60 ft

5. Field Recovery Percentage: 100.9%

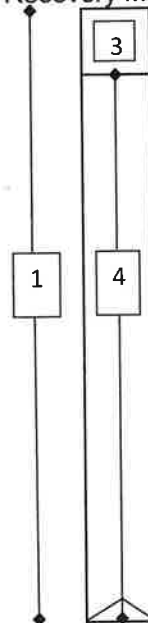
6. Core Accepted: Yes / No

7. Processing Recovery Depth: 11.90 ft

8. Adjusted Recovery Percentage: 100.1%

## Drive Notes:

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-K

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target - 10 ft core.  
process this attempt.

# Sediment Core Collection Form

Page 1 of 4

Project: LDW AOC5 MR Phase II  
Date: 6/18/24  
Weather: 60, overcast  
Logged By: KM

Location ID: SC1494  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 199588.49

Long/Easting: 1271646.21

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -13.4 ft

## B. Tide Level Measurement

Time: 1308  
Height: +5.17 ft  
Source: RTK

## C. Mudline Elevation

-8.2 (ft MLLW)

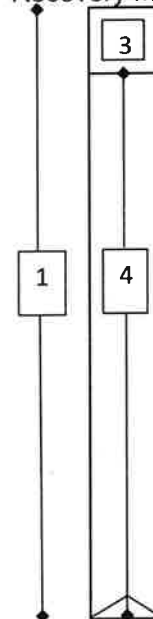
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 4.60 ft
3. Headspace Measurement: 16.10 ft
4. Field Recovery Depth: 3.90 ft
5. Field Recovery Percentage: 84.8%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 4.90 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive to refusal @ 4.6 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-60cm

B:       

C:       

D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -25 ft MLLW

accepted for 0-60 cm bioassay sediment

## Sediment Core Collection Form

Page 2 of 4

Project: LDW AOC5 MR Phase II

Date: 6/18/24Weather: 60s, overcastLogged By: kmLocation ID: SC1494Attempt No.: 2Core Type: Intertidal Subtidal ShoalingField Staff: km

## Field Collection Coordinates:

Lat/Northing: 199585.75Long/Easting: 1271644.29

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -14.6 ft

## B. Tide Level Measurement

Time: 1317Height: +554 ftSource: RTK

## C. Mudline Elevation

-9.1 (ft MLLW)

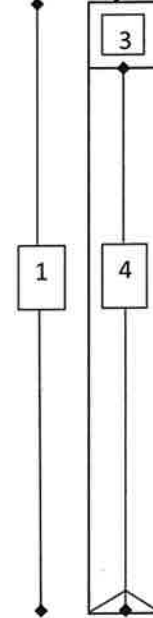
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 14.00 ft3. Headspace Measurement: 10.90 ft4. Field Recovery Depth: 9.10 ft5. Field Recovery Percentage: 65.0%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 9.53 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive to ~10 ft then resistance  
to refusal @ 14 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-I  
B: See core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: - 25 ft MLLW  
process as vertical (deepest drive of 4 attempts)



# Sediment Core Collection Form

Page 4 of 4

Project: LDW AOC5 MR Phase II  
Date: 6/18/24  
Weather: 60s, overcast  
Logged By: km

Location ID: SC1494  
Attempt No.: 4  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: km

Field Collection Coordinates:  
Lat/Northing: 199590.38

Long/Easting: 1271641.94

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -16.5 ft

## B. Tide Level Measurement

Time: 1421  
Height: +7.59 ft  
Source: RTK

## C. Mudline Elevation

-8.9 (ft MLLW)

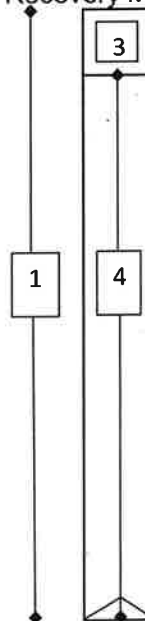
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft
2. Penetration Depth: 3.50 ft
3. Headspace Measurement: 16.90 ft
4. Field Recovery Depth: 3.10 ft
5. Field Recovery Percentage: 88.6%
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 3.55 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

hit hard refusal @ 3.5 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: 0-60cm  
B:         
C:         
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: ~25 ft MLLW  
accepted for 0-60 cm bioassay sediment

## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Date: 6/18/24Weather: 50s, overcastLogged By: KMLocation ID: SC1495Attempt No.: 1Core Type: Intertidal (Subtidal) ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199515.02Long/Easting: 1271716.19

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -7.3 ft

## B. Tide Level Measurement

Time: 1023Height: +0.08 ftSource: RTK

## C. Mudline Elevation

-7.2 (ft MLLW)

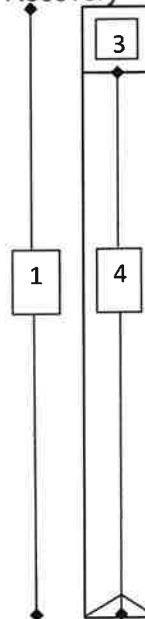
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 5.00 ft3. Headspace Measurement: 0.90 ft4. Field Recovery Depth: 5.10 ft5. Field Recovery Percentage: 102.0%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 5.23 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive to refusal @ 5 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-60 cm

B: \_\_\_\_\_

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft coreAccepted for supplemental bioassay sediment (0-60 cm)

## Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II

Date: 6/18/24Weather: 50s, overcastLogged By: KMLocation ID: SC1495Attempt No.: 2Core Type: Intertidal (Subtidal) ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: -7.6 199512.72  
KMLong/Easting: 1271721.45

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -7.6 ft

## B. Tide Level Measurement

Time: 1041Height: +0.66 ftSource: RTK

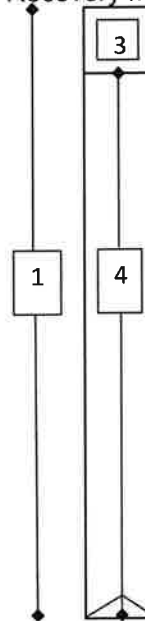
## C. Mudline Elevation

-6.9 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 5.00 ft3. Headspace Measurement: 6.80 ft4. Field Recovery Depth: 5.20 ft5. Field Recovery Percentage: 104.0%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 5.65 ft8. Adjusted Recovery Percentage: 100%Drive Notes: refusal atFree drive to 5 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-60cm

B: \_\_\_\_\_

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft coreAccepted for 0-60cm bioassay sediment

## Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II

Date: 6/18/24Weather: 50s overcastLogged By: KMLocation ID: SC1495Attempt No.: 3Core Type: Intertidal (Subtidal) ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199520.82Long/Easting: 1271716.08

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -7.5 ft

## B. Tide Level Measurement

Time: 1054Height: 0.86 ftSource: RTK

## C. Mudline Elevation

-6.6 (ft MLLW)

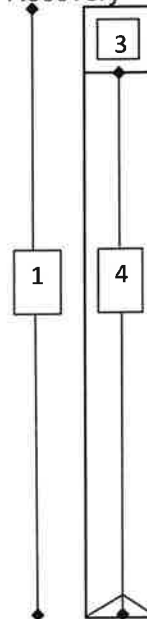
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 5.50 ft3. Headspace Measurement: 6.40 ft4. Field Recovery Depth: 5.60 ft5. Field Recovery Percentage: 101.8%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 5.85 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive to 5.5 ft (refusal)

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-EB: See coreC: processing log

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft coreprocess as vertical (largest drive)



# Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II  
Date: 6.12.24  
Weather: 50s cloudy  
Logged By: CC

Location ID: 1T1498  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: CC

Field Collection Coordinates:  
Lat/Northing: 199497.17

Long/Easting: 1271758.33

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -10.6 ft

## B. Tide Level Measurement

Time: 0938  
Height: +7.44 ft  
Source: RTK

## C. Mudline Elevation

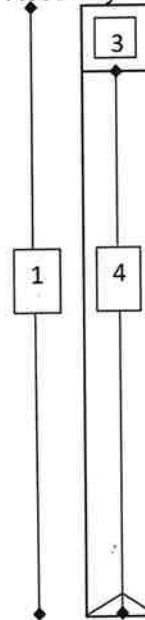
-3.2 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft
2. Penetration Depth: 3.20 2.00 ft
3. Headspace Measurement: 3.35 ft
4. Field Recovery Depth: 1.65 ft
5. Field Recovery Percentage: 82.5%
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 2.21 ft
8. Adjusted Recovery Percentage: 100%

Drive Notes: hard refusal at 2 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: 0-4.5cm  
B:         
C:         
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 2 ft core  
keep attempt 2 - better recovery.

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/18/24  
Weather: 60s, sun  
Logged By: KM

Location ID: SC1500  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199393.08

Long/Easting: 1271673.96

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -25.7 ft

## B. Tide Level Measurement

Time: 1453  
Height: +8.38 ft  
Source: RTK

## C. Mudline Elevation

-17.3 (ft MLLW)

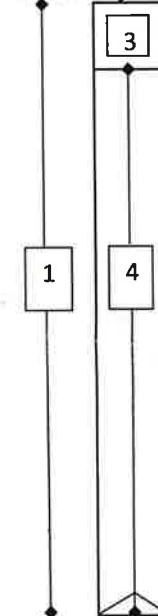
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 3.50 ft
3. Headspace Measurement: 3.70 ~~km~~ <sup>DS</sup> 4.30 ft
4. Field Recovery Depth: 3.70 ft
5. Field Recovery Percentage: 105.7%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 3.60 ft
8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: 0-60cm
- B:
- C:
- D:

## Shore Description:

Core Field Observations and Description: Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-60 cm

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/20/24Weather: 50s, sunLogged By: KMLocation ID: SC1501Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199346.28Long/Easting: 1271538.27

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -15.8 ft

## B. Tide Level Measurement

Time: 0923Height: +0.24 ftSource: RTK

## C. Mudline Elevation

-15.6 (ft MLLW)

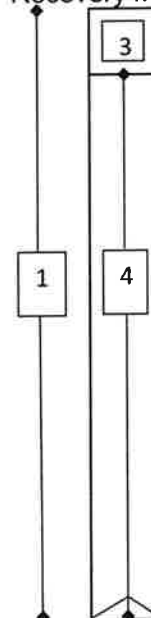
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 11.00 ft3. Headspace Measurement: 0.40 ft4. Field Recovery Depth: 11.60 ft5. Field Recovery Percentage: 105.5 %6. Core Accepted (Yes) No7. Processing Recovery Depth: 11.95 ft8. Adjusted Recovery Percentage: 100 %

## Drive Notes:

Free drive except for some resistance@ ~ 1 ft and 7.5 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-DB: See core processing logC:       D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Shoal: -15.6 ft to  $\frac{-24}{KM} - 20 ft = 4.4 ft$ 

## Additional Notes:

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6/19/24Weather: 60s, sunLogged By: kmLocation ID: SC1502Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: km

## Field Collection Coordinates:

Lat/Northing: 1271607.92Long/Easting: 199270.53

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -15.8 ft

## B. Tide Level Measurement

Time: 1041Height: -0.96 ftSource: iRTK

## C. Mudline Elevation

-16.8 (ft MLLW)

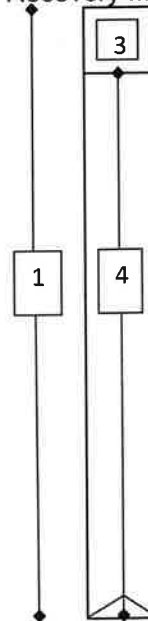
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft2. Penetration Depth: 8.00 ft3. Headspace Measurement: 3.30 ft4. Field Recovery Depth: 6.70 ft5. Field Recovery Percentage: 83.8%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 6.94 ft8. Adjusted Recovery Percentage: 86.8

## Drive Notes:

Free drive to hard refusal @ 8 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-0-42.4  
B: B 42.4-84.8  
C: C 84.8-137.7  
D: D 137.7-190.6

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -24 ft MLLWShal: -16.8 ft to -20.0 ft MLLW: 3.2 ft



# Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II  
Date: 6/19/24  
Weather: 60s, sun  
Logged By: KM

Location ID: SC1503  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199223.83

Long/Easting: 1271708.86

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -18.0 ft

## B. Tide Level Measurement

Time: 1121  
Height: +0.06 ft  
Source: RTK

## C. Mudline Elevation

-17.9 (ft MLLW)

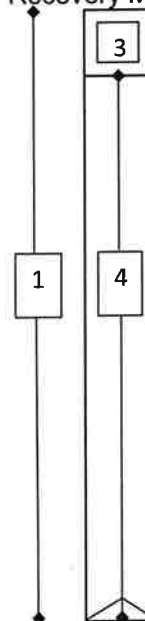
## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft
2. Penetration Depth: 13.20 ft
3. Headspace Measurement: 3.70 ft
4. Field Recovery Depth: 11.30 ft
5. Field Recovery Percentage: 85.6%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 11.69 ft
8. Adjusted Recovery Percentage: 88.6%

## Drive Notes:

Free drive to resistance @ 11 ft then  
retreat @ 13.2 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-K  
B: see core  
C: processing log  
D: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -31 ft MLLW  
Sheal: -17.9 ft to -20.0 ft MLLW: 2.1 ft

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6/19/24

Weather: 70s, sun

Logged By: KM

Location ID: 1T1504

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199173.82

Long/Easting: 1271489.91

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -8.0 ft

## B. Tide Level Measurement

Time: 1505

Height: +8.22 ft

Source: RTK

## C. Mudline Elevation

+0.2 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: ~~10.00~~ km 9.88 10.00 ft

2. Penetration Depth: 2.00 ft

3. Headspace Measurement: 8.10 ft

4. Field Recovery Depth: +7.0 km 1.90 ft

5. Field Recovery Percentage: 85.0% km 95.0%

6. Core Accepted: Yes / No

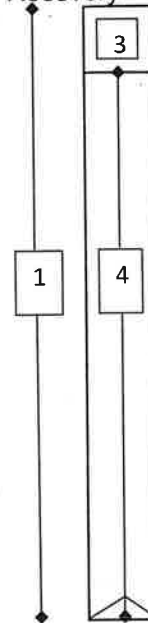
7. Processing Recovery Depth: 2.04 2.07 ft

8. Adjusted Recovery Percentage: 100%

## Drive Notes:

hard drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-45cm

B:

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-45 cm

## Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II

Date: 5/17/24Weather: 50's, sunnyLogged By: CCLocation ID: 1T1505Attempt No.: 2Core Type: Intertidal Subtidal ShoalingField Staff: SR, CC

## Field Collection Coordinates:

Lat/Northings: 199142.95Long/Easting: 1271567.95

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: - 9.80 ft

## B. Tide Level Measurement

Time: 1426Height: + 6.85 ftSource: ATL

## C. Mudline Elevation

- 3.0 (ft MLLW)

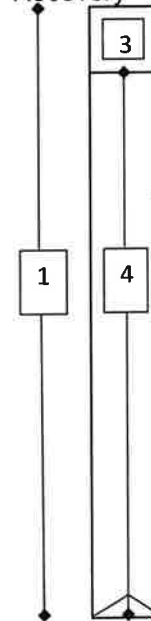
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 2.00 ft3. Headspace Measurement: 6.20 ft4. Field Recovery Depth: 1.80 ft5. Field Recovery Percentage: 90.0%6. Core Accepted: Yes / No AV7. Processing Recovery Depth: 1.45 ft8. Adjusted Recovery Percentage: 72.5%

## Drive Notes:

hit refusal at 2 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-32.6cm

B: \_\_\_\_\_

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Additional Notes: Keeping this attempt, processing only 0-45cm interval -  
(best of 3 attempts) insufficient material  
for vertical core.

## Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II

Location ID: SC1507

Date: 5/22/24

Attempt No.: 3

Weather: 50's partly cloudy

Core Type: Intertidal (Subtidal) Shoaling

Logged By: CC

Field Staff: CC

## Field Collection Coordinates:

Lat/Northing: 199719.05

Long/Easting: 1271840.16

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -18.4 ft

## B. Tide Level Measurement

Time: 1334

Height: +1.91 ft

Source: RTK

## C. Mudline Elevation

-16.5 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 11.50 ft

3. Headspace Measurement: 2.28 ft

4. Field Recovery Depth: 9.72 ft

5. Field Recovery Percentage: 84.54%

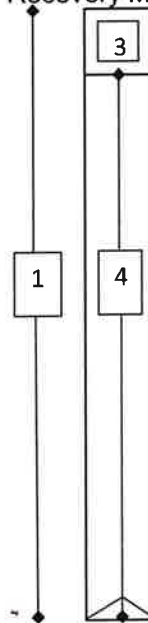
6. Core Accepted: Yes / No

7. Processing Recovery Depth: 10.18 ft

8. Adjusted Recovery Percentage: 88.54%

Drive Notes: Free drive.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-J

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:



# Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II

Location ID: 177508

Date: 6/13/24

Attempt No.: 3

Weather: SOS, SUN

Core Type: Intertidal Subtidal Shoaling

Logged By: KM

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199251.04

Long/Easting: 1271910.49

## A. Water Depth

DTM Depth Sounder:        ft

DTM Lead Line: - 9.5 ft

## B. Tide Level Measurement

Time: 0912

Height: + 6.20 ft

Source: RTK

## C. Mudline Elevation

- 3.3 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 1.50 ft

3. Headspace Measurement: 6.80 ft

4. Field Recovery Depth: 1.20 ft

5. Field Recovery Percentage: 80.0%

6. Core Accepted: (Yes) No

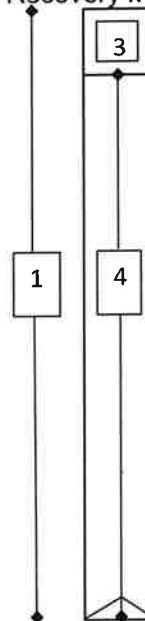
7. Processing Recovery Depth: 1.24 ft

8. Adjusted Recovery Percentage: 82.4

## Drive Notes:

hit hard refusal @ 1.5 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-37.2cm

B:       

C:       

D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft

process attempt 3 - best of 3 attempts

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/13/24  
Weather: 50s, cloudy  
Logged By: KM

Location ID: SC1509  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM, SR

## Field Collection Coordinates:

Lat/Northing: 199018.71

Long/Easting: 1271771.49

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -20.8 ft

## B. Tide Level Measurement

Time: 0836  
Height: +8.40 ft  
Source: RTR

## C. Mudline Elevation

-12.4 (ft MLLW)

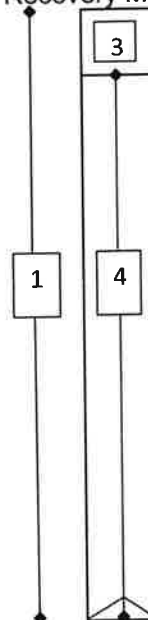
## Core Collection Recovery Details:

1. Core Tube Length: 12 ft ft
2. Penetration Depth: 11.50 ft
3. Headspace Measurement: 0.5 ft
4. Field Recovery Depth: km 100.0% 11.50 ft
5. Field Recovery Percentage: 100.0%
6. Core Accepted: (Yes) / No 11.55 AN
7. Processing Recovery Depth: 100% 11.55 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: 0-60 AN  
B: A-K  
C: see processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/14/24Weather: 60s, SUNLogged By: KMLocation ID: SC1510Attempt No.: 1Core Type: Intertidal ☒ Subtidal ☐ Shoaling ☐Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199042.58Long/Easting: 1271807.16

## A. Water Depth

DTM Depth Sounder:      ftDTM Lead Line: - 20.8 ft

## B. Tide Level Measurement

Time: 1316Height: +4.13 ftSource: RTK

## C. Mudline Elevation

- 16.7 (ft MLLW)

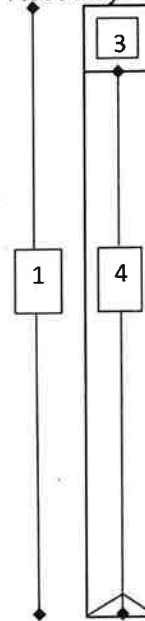
## Core Collection Recovery Details:

1. Core Tube Length: 20.00 ft2. Penetration Depth: 17.00 ft3. Headspace Measurement: 2.60 ft4. Field Recovery Depth: 17.40 ft5. Field Recovery Percentage: 102.4%6. Core Accepted: ☒ Yes ☐ No7. Processing Recovery Depth: 17.82 ft8. Adjusted Recovery Percentage: 100

## Drive Notes:

free drive to 14 ft; then hit resistance,  
free drive again after 15 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-P  
B: See processing log  
C: log  
D:   

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Shoal: -16.7 ft to -20.0 ft = 3.3 ft

## Additional Notes:

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/13/24

Weather: 50s, cloudy

Logged By: KM

Location ID: SC1511

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: KM, SR

## Field Collection Coordinates:

Lat/Northing: 199108.36

Long/Easting: 1271874.69

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -27.9 ft

## B. Tide Level Measurement

Time: 0956

Height: +7.90 ft

Source: RTK

## C. Mudline Elevation

-20.0 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft

2. Penetration Depth: 12.00 <sup>60</sup> ft3. Headspace Measurement: 4.90 <sup>60</sup> 3.90 ft4. Field Recovery Depth: 10.10 <sup>60</sup> 11.10 ft

5. Field Recovery Percentage: 84.2% 92.5%

6. Core Accepted: Yes / No

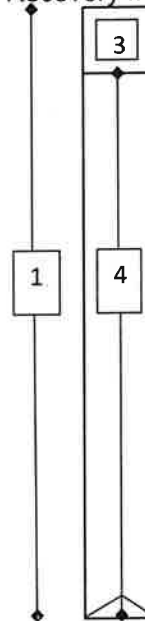
7. Processing Recovery Depth: 11.75 ft

8. Adjusted Recovery Percentage: 97.9%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-K  
B: Self processing  
C: log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

no shoal material

## Additional Notes:



# Sediment Core Collection Form

Project: LDW AOC5 MR Phase II  
Date: 5/16/24  
Weather: SUS. cloudy  
Logged By: KM

Location ID: IT1513  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM, DS

## Field Collection Coordinates:

Lat (Northing): 199146.67

Long (Easting): 127202.5 <sup>1272025.79</sup> <sub>KM</sub>

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -6.4 ft

## B. Tide Level Measurement

Time: 0954  
Height: +5.32 ft  
Source: RTK

## C. Mudline Elevation

-1.1 (ft MLLW)

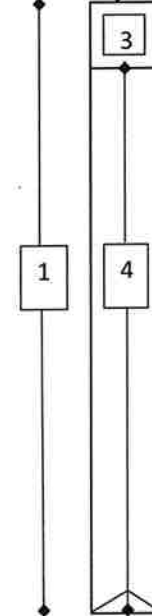
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 9.50 ft
3. Headspace Measurement: 2.60 ft
4. Field Recovery Depth: 9.40 ft
5. Field Recovery Percentage: 98.9%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 9.60 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

hard drive to 9.5 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-J  
B: See core  
C: processing log  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 5/13/24Weather: 50s, cloudyLogged By: KMLocation ID: SL1515Attempt No.: 2Core Type: Intertidal Subtidal ShoalingField Staff: KM, SR

## Field Collection Coordinates:

Lat/Northing: 198986.07Long/Easting: 1271892.84

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -22.4 ft

## B. Tide Level Measurement

Time: 1202Height: +4.48 ftSource: RTK

## C. Mudline Elevation

-17.9 (ft MLLW)

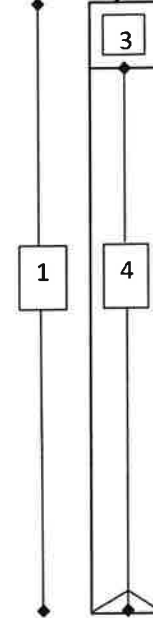
## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft2. Penetration Depth: 14.00 ft3. Headspace Measurement: 2.70 ft4. Field Recovery Depth: 12.30 (SL) ft5. Field Recovery Percentage: -80.7% 87.9%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 12.36 ft8. Adjusted Recovery Percentage: 88.3

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-LB: See processingC: logD: 

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Shial = -17.9 ft + -20.0 ft = 2.1 ft

## Additional Notes:

## Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II

Date: 5/15/24Weather: 50s, sunLogged By: KMLocation ID: 1T1516Attempt No.: 3Core Type: Intertidal Subtidal ShoalingField Staff: KM, CC

## Field Collection Coordinates:

Lat (Northing): 198844.19Long (Easting): 1271803.57

## A. Water Depth

DTM Depth Sounder:          ftDTM Lead Line: -16.298 ft  
km

## B. Tide Level Measurement

Time: 1906Height: +6.11 ftSource: RTK

## C. Mudline Elevation

-3.7 (ft MLLW)

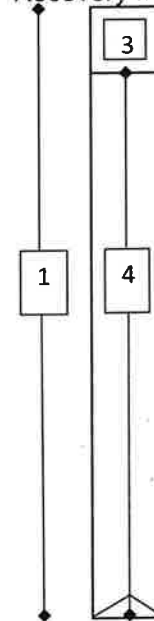
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 7.00 ft3. Headspace Measurement: 1.70 ft4. Field Recovery Depth: 6.30 ft5. Field Recovery Percentage: 90.0%6. Core Accepted: Yes / No7. Processing Recovery Depth: 5.91 ft8. Adjusted Recovery Percentage: 84.4%

## Drive Notes:

Free drive to refusal @ 7 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-FB: See core processing logC:         D:         

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Additional Notes: best core of 3 attempts; process- accepted a drive of 7 ft slightly below target 3<sup>rd</sup> attempt

## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Date: 6/13/24

Weather: 50s, Sun

Logged By: KM

Location ID: 1T1519

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 199088.08

Long/Easting: 1272116.54

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -6.6 ft

## B. Tide Level Measurement

Time: 0935

Height: +6.46 ft

Source: RTK

## C. Mudline Elevation

- 0.1 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 4.00 ft

3. Headspace Measurement: 4.80 ft

4. Field Recovery Depth: 3.20 ft

5. Field Recovery Percentage: 80.0%

6. Core Accepted: (Yes) / No

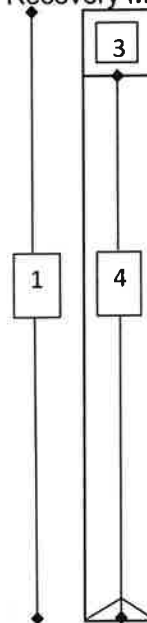
7. Processing Recovery Depth: 2.73 ft

8. Adjusted Recovery Percentage: 68.3%

## Drive Notes:

hit hard refusal @ 4.0 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-C  
B: SECORE  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core  
process attempt 1 (best of 3)



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/15/24  
Weather: 60s, sun  
Logged By: km

Location ID: SC1520  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: km, CL

## Field Collection Coordinates:

Lat/Northing: 198934.77

Long/Easting: 1272077.94

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -24.5 ft

## B. Tide Level Measurement

Time: 1322  
Height: +3.48 ft  
Source: RTK

## C. Mudline Elevation

-19.0 (ft MLLW)

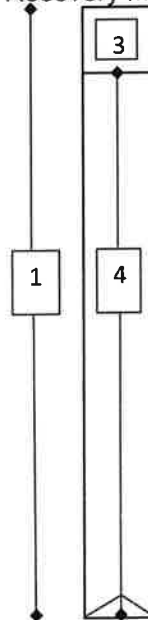
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 6.50 ft
3. Headspace Measurement: 5.30 ft
4. Field Recovery Depth: 6.70 ft
5. Field Recovery Percentage: 103.10% = 103.1%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 6.88 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-C  
B: See processing log  
C:         
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Shoal: 20.2 ft - 19.0 ft = 1.0 ft  
20.0

## Additional Notes:

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: SC1521

Date: 5/15/24

Attempt No.: 1

Weather: 60'S SUN

Core Type: Intertidal (Subtidal) Shoaling

Logged By: CC

Field Staff: KM, CC

## Field Collection Coordinates:

Lat/Northing: 198980.79

Long/Easting: 1272133.25

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -16.5 ft

## B. Tide Level Measurement

Time: 1407

Height: +4.62 ft

Source: RTK

## C. Mudline Elevation

- 11.9 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: ~~8.00~~ 6.50 ft

2. Penetration Depth: 3.50 ft

3. Headspace Measurement: 3.30 ft

4. Field Recovery Depth: 3.20 ft

5. Field Recovery Percentage: 91.4 %

6. Core Accepted: (Yes) No

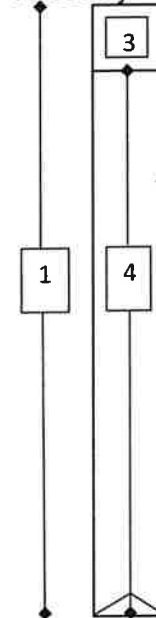
7. Processing Recovery Depth: 2.99 ft

8. Adjusted Recovery Percentage: 85.5 %

## Drive Notes:

Free drive.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-51.3

B: (0-60 cm)  
sample

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6-26-24

Weather: 60SSunny

Logged By: CC

Location ID: IT1522

Attempt No. 5

Core Type: Intertidal Subtidal Shoaling

Field Staff: CC KM

## Field Collection Coordinates:

Lat/Northing: 199017.01

Long/Easting: 1272168.42

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -0.5 ft

## B. Tide Level Measurement

Time: 1504-1512

Height: -0.97 ft

Source:

## C. Mudline Elevation

-1.5 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft

2. Penetration Depth: 4.00 ft

3. Headspace Measurement: 2.70-2.40 ft

4. Field Recovery Depth: 2.60 ft

5. Field Recovery Percentage: 68.0%

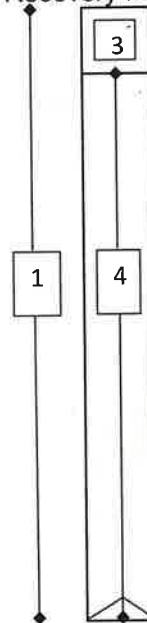
6. Core Accepted: Yes No

7. Processing Recovery Depth: 2.46 ft

8. Adjusted Recovery Percentage: 61.5%

Drive Notes: easy drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A7 0-27.7cm

B: B-27.7-46.2cm

C: C-46.2cm-75.0cm

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5ft core

Best of 6 attempts. Accepted!

# Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II  
Date: 5/14/24  
Weather: 50s, sun  
Logged By: KM

Location ID: IT1524  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 198679.07

Long/Easting: 1271911.79

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -6.4 ft

## B. Tide Level Measurement

Time: 0808  
Height: +6.88 ft  
Source: RTK

## C. Mudline Elevation

+0.5 (ft MLLW)

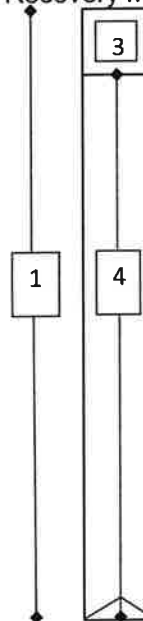
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 8.20m 10.80 ft
3. Headspace Measurement: 1.50 ft
4. Field Recovery Depth: 10.50 ft
5. Field Recovery Percentage: 97.2 %
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 7.89 ft
8. Adjusted Recovery Percentage: 73.1

## Drive Notes:

slow drive to refusal @ 8.2 ft 10.8 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-J  
B: see processing log  
C: \_\_\_\_\_  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:



## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: SC1525Date: 5/14/24Attempt No.: 1Weather: 50s, sunCore Type: Intertidal Subtidal ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198723.10Long/Easting: 1271975.14

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -14.6 ft

## B. Tide Level Measurement

Time: 0901Height: +7.20 ftSource: RTK

## C. Mudline Elevation

-7.4 (ft MLLW)

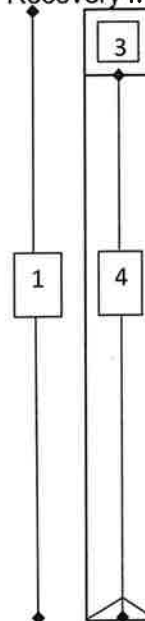
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 4.60 ft3. Headspace Measurement: 6.90 ft4. Field Recovery Depth: 5.10 ft5. Field Recovery Percentage: 110.9%6. Core Accepted: Yes / No7. Processing Recovery Depth: 5.10 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive, soft sediment

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-60cm

B: \_\_\_\_\_

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 7/10/24

Weather: 60s, Sun

Logged By: KCM

Location ID: 1T1527

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: KCM

## Field Collection Coordinates:

Lat/Northing: 198605.14

Long/Easting: 1271962.41

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -11.6 ft

## B. Tide Level Measurement

Time: 0759

Height: +2.28 9.28 ft

Source: RTK

## C. Mudline Elevation

- 2.32 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 7.50 ft

3. Headspace Measurement: 5.40 ft

4. Field Recovery Depth: 6.60 ft

5. Field Recovery Percentage: 88.0%

6. Core Accepted: Yes No

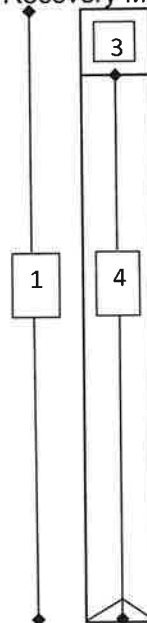
7. Processing Recovery Depth: 6.62 ft

8. Adjusted Recovery Percentage: 85.3

## Drive Notes:

Free drive to refusal @ 7.5 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-G

B: All core

C: processing by

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core

## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Date: 7/16/24Weather: 70s sunLogged By: KMLocation ID: <sup>IT</sup>501528Attempt No.: 1Core Type: Intertidal ~~Subtidal~~ <sup>KM</sup> ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198661.62Long/Easting: 127° 20' 11.16"

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -12.2 ft

## B. Tide Level Measurement

Time: 0857Height: +8.91 ftSource: RTK

## C. Mudline Elevation

- 3.3 (ft MLLW)

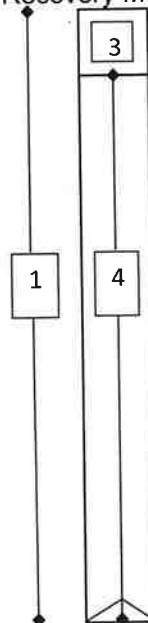
## Core Collection Recovery Details:

1. Core Tube Length: 25.00 ft2. Penetration Depth: 13.00 ft3. Headspace Measurement: 13.00 ft4. Field Recovery Depth: 12.00 ft5. Field Recovery Percentage: 92.3%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 12.54 ft8. Adjusted Recovery Percentage: 96.5%

## Drive Notes:

slow drive to refusal @ 13 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-MB: see coreC: processing logD:       

## Shore Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -29 ft MLLWcollected from Global barge as close to target as possible (up against PacPile barge)accepted attempt 1 (best of 3)

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/14/24  
Weather: 50s, sun  
Logged By: KM

Location ID: SC1529  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198744.00

Long/Easting: 1272078.85

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: - 22.0 ft

## B. Tide Level Measurement

Time: 0952  
Height: + 7.27 ft  
Source: RTK

## C. Mudline Elevation

- 14.7 (ft MLLW)

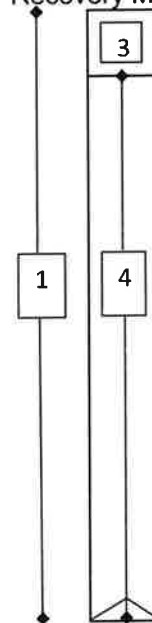
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 11.50 ft
3. Headspace Measurement: 0.50 ft
4. Field Recovery Depth: 11.50 ft
5. Field Recovery Percentage: 100.0%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 11.70 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-K  
B: See core processing log  
C:         
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:



# Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II  
Date: 6/24/24  
Weather: overcast, 60s  
Logged By: DS

Location ID: SC1530  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: SK, DS

## Field Collection Coordinates:

Lat/Northing: 198670.32

Long/Easting: 1272108.74

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -10.5 ft

## B. Tide Level Measurement

Time: 1137  
Height: -0.01 ft  
Source: KTL

## C. Mudline Elevation

-11.1 (ft MLLW)

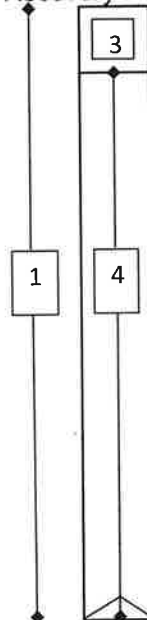
## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft
2. Penetration Depth: 2.00 ft
3. Headspace Measurement: 3.40 ft
4. Field Recovery Depth: 1.60 ft
5. Field Recovery Percentage: 80.0%
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 1.65 ft
8. Adjusted Recovery Percentage: 82.5%

## Drive Notes:

free to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0 - 49.5cm

B: \_\_\_\_\_

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target 2ft

accepted best of 2 attempts

## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Date: 6-24-2024

Weather: Overcast, 50s

Logged By: SR

Location ID: SC1531

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: SR, DS

## Field Collection Coordinates:

Lat/Northing: 198675.31

Long/Easting: 1272161.95

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -19.4 ft

## B. Tide Level Measurement

Time: 1004

Height: +3.71 ft

Source: RTK

## C. Mudline Elevation

-15.7 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 7.60 ft

3. Headspace Measurement: 4.40 ft

4. Field Recovery Depth: 7.60 ft

5. Field Recovery Percentage: 100%

6. Core Accepted: (Yes) No

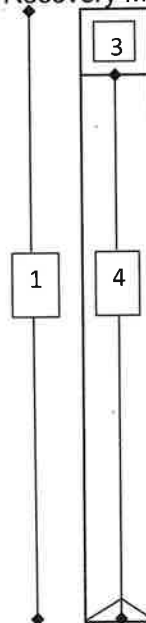
7. Processing Recovery Depth: 8.05 ft

8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

free drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-G

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft.

accepted best of 3 attempts

# Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II  
Date: 7/9/24  
Weather: 80s sun  
Logged By: KM

Location ID: SC1532  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198580.68

Long/Easting: 1272126.73

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -8.1 ft

## B. Tide Level Measurement

Time: 1153  
Height: +2.57 ft  
Source: RTR

## C. Mudline Elevation

-5.5 (ft MLLW)

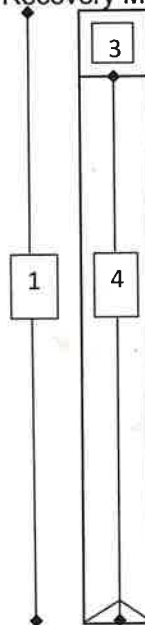
## Core Collection Recovery Details:

1. Core Tube Length: 25.00 ~~ft~~ 20.00 ft
2. Penetration Depth: 17.00 ft
3. Headspace Measurement: 5.30 ft
4. Field Recovery Depth: 14.70 ft
5. Field Recovery Percentage: 86.5%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 15.10 ft
8. Adjusted Recovery Percentage: 98.8%

## Drive Notes:

slow drive to refusal @ 17 ft  
top of barrel sheared off but core  
retrieved undisturbed

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-Q  
B: all core processing  
C: log  
D:

## Shore Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target - -29 ft MLLW  
collected from Global barge  
accepted attempt 2 (best of 3)

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/14/24  
Weather: 60s, sun  
Logged By: KM

Location ID: SC1530 SC1533  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198571.55

Long/Easting: 1272214.39

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: - 8.1 ft

## B. Tide Level Measurement

Time: 1516  
Height: + 0.96 ft  
Source: RTK

## C. Mudline Elevation

- 7.1 (ft MLLW)

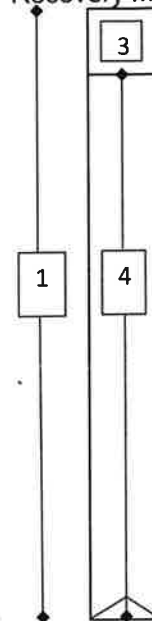
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 3.80 ft
3. Headspace Measurement: 8.10 ft
4. Field Recovery Depth: 3.90 ft
5. Field Recovery Percentage: 102.6%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 4.40 ft
8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-60.0 cm

B:       

C:       

D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/14/24

Weather: 60s, sun

Logged By: KM

Location ID: SC1534

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198786.12

Long/Easting: 1272110.01

### A. Water Depth

DTM Depth Sounder:        ft

DTM Lead Line: -25.2 ft

### B. Tide Level Measurement

Time: 1117

Height: +6.67 ft

Source: RTK

### C. Mudline Elevation

-18.5 (ft MLLW)

### Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft

2. Penetration Depth: 14.00 ft

3. Headspace Measurement: 1.50 ft

4. Field Recovery Depth: 13.50 ft

5. Field Recovery Percentage: 96.4 %

6. Core Accepted: (Yes) No

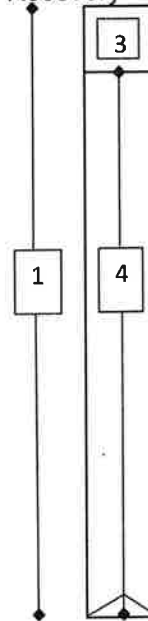
7. Processing Recovery Depth: 13.76 ft

8. Adjusted Recovery Percentage: 98.3

### Drive Notes:

Free drive to 12 ft; mt resistance,  
slower drive to 14 ft

### Recovery Measurements (prior to cuts)



### Core Sections To Process:

A: A-X-M  
B: See core  
C: processing log  
D:       

### Shoe Description:

### Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Sheal: -18.5 ft to -20.0 ft = 1.5 ft

### Additional Notes:

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/15/24Weather: SUS, SUNLogged By: KMLocation ID: SC1535Attempt No.: 1Core Type: Intertidal ☒ Subtidal ☐ Shoaling ☐Field Staff: KM, CC

## Field Collection Coordinates:

Lat (Northing): 198859.10Long (Easting): 1272175.27

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -25.9 ft

## B. Tide Level Measurement

Time: 1001Height: +6.40 ftSource: RTK

## C. Mudline Elevation

-19.5 (ft MLLW)

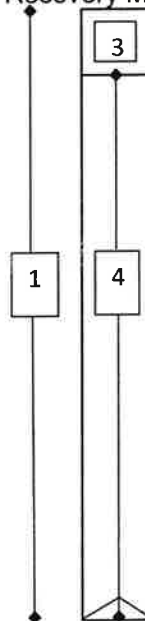
## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft2. Penetration Depth: 13.00 ft3. Headspace Measurement: 4.50 ft4. Field Recovery Depth: 10.50 ft5. Field Recovery Percentage: 80.8%6. Core Accepted: ☒ Yes / No7. Processing Recovery Depth: 10.85 ft8. Adjusted Recovery Percentage: 83.5%

## Drive Notes:

from drive to 11ft, some resistance  
from 11-13 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-LB: See processing  
core log.C:       D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Shoal: -19.5 ft to -20.0 ft = 0.5 ft

## Additional Notes:

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/17/24  
Weather: SO'S, sunny  
Logged By: CC

Location ID: SC1536  
Attempt No.: 1  
Core Type: Intertidal ~~Subtidal~~ Shoaling  
Field Staff: SD, CC

## Field Collection Coordinates:

Lat/Northing: 198892.40

Long/Easting: 1272211.64

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: ~ 17.0 ft

## B. Tide Level Measurement

Time: 1112  
Height: +4.92 ft  
Source: RTK

## C. Mudline Elevation

+12.1 (ft MLLW)

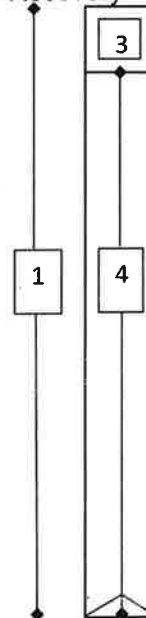
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft  
2. Penetration Depth: 11.00 ft  
3. Headspace Measurement: 1.70 ft  
4. Field Recovery Depth: 9.30" ~ 10.30 ft  
5. Field Recovery Percentage: 84.5% ~ 93.6%  
6. Core Accepted: (Yes) / No  
7. Processing Recovery Depth: 10.36 ft  
8. Adjusted Recovery Percentage: 94.2%

## Drive Notes:

Free drive.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-J  
B: See core processing log  
C:  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/17/24

Weather: 50's, sunny

Logged By: CC

Location ID: SC1538

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: SR, CC

## Field Collection Coordinates:

Lat/Northing: 19 88 51.24

Long/Easting: 127 2248.09

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: - 18.8 ft

18.7

## B. Tide Level Measurement

Time: 1014

Height: +4.08 ft

Source: RTK

## C. Mudline Elevation

-14.6 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 12.00 ft

3. Headspace Measurement: 1.30 ft

4. Field Recovery Depth: 10.70 ft

5. Field Recovery Percentage: 89.2%

6. Core Accepted: (Yes) / No

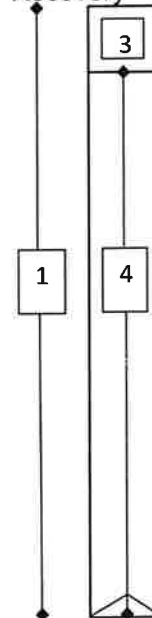
7. Processing Recovery Depth: 10.60 ft

8. Adjusted Recovery Percentage: 83.1% 88.3%

## Drive Notes:

Easy drive.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-K  
B: See Core Processing Log  
C:  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:



## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: IT1539Date: 5/16/24Attempt No.: 1Weather: 60s, CloudyCore Type: Intertidal Subtidal ShoalingLogged By: KMField Staff: KM, DS

## Field Collection Coordinates:

Lat/Northing: 198874.86Long/Easting: 1272292.68

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -10.5 ft

## B. Tide Level Measurement

Time: 1247Height: +6.81 ftSource: RTK

## C. Mudline Elevation

-3.7 (ft MLLW)

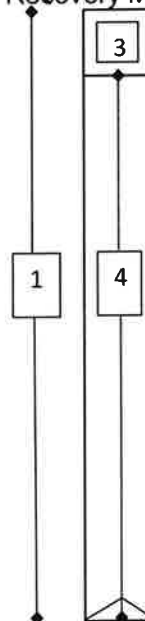
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 9.00 ft3. Headspace Measurement: 3.10 ft4. Field Recovery Depth: 8.90 ft5. Field Recovery Percentage: 98.9%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 9.10 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-IB: See coreC: processing logD: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Location ID: 171540

Date: 5/31/24

Attempt No.: 1

Weather: sunny 60's

Core Type: Intertidal Subtidal Shoaling

Logged By: CC

Field Staff: CC, RK

## Field Collection Coordinates:

Lat/Northing: 198941.84

Long/Easting: 1272329.82

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -5.4 ft

## B. Tide Level Measurement

Time: 1229

Height: +7.05 ft

Source: RTK

## C. Mudline Elevation

+1.7 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 4.40 ft

3. Headspace Measurement: 3.46 ft

4. Field Recovery Depth: 4.54 ft

5. Field Recovery Percentage: 103.2%

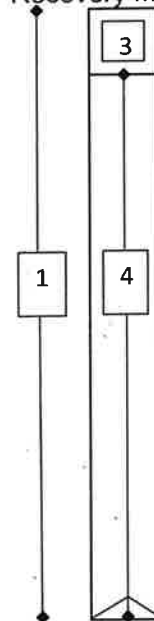
6. Core Accepted: Yes / No cc

7. Processing Recovery Depth: 4.62 ft

8. Adjusted Recovery Percentage: 100%

Drive Notes: refusal at 4.4 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-D

B: See core processing log

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target depth 7.5 ft

rejected due to insufficient penetration depth.

accepted; best of 3 attempts

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/15/24  
Weather: 60s, SW  
Logged By: KM

Location ID: SC1541  
Attempt No.: 1  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: KM, CC

## Field Collection Coordinates:

Lat/Northing: 198730.45

Long/Easting: 1272205.19

### A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -25.6 ft

### B. Tide Level Measurement

Time: 1105  
Height: +6.62 ft  
Source: RTR

### C. Mudline Elevation

-19.0 (ft MLLW)

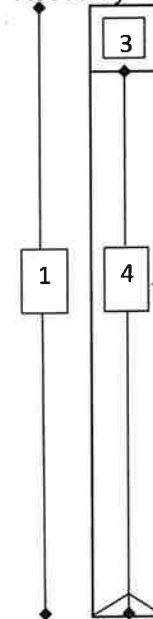
### Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft
2. Penetration Depth: 14.00 ft
3. Headspace Measurement: 0.35 ft
4. Field Recovery Depth: 14.65 ft
5. Field Recovery Percentage: 104.6%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 14.75 ft
8. Adjusted Recovery Percentage: 100%

### Drive Notes:

Free drive

### Recovery Measurements (prior to cuts)



### Core Sections To Process:

A: A-N

B: See core

C: processing log

D:       

### Shoe Description:

### Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Sheal: -19.0 ft to -20.0 ft = 10ft

### Additional Notes:

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/15/24Weather: 60s, sunLogged By: KMLocation ID: SC1542Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM, CC

## Field Collection Coordinates:

Lat/Northing: 198776.63Long/Easting: 1272240.20

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -26.0 ft

## B. Tide Level Measurement

Time: 1148Height: +6.60 ftSource: RTK

## C. Mudline Elevation

-19.4 (ft MLLW)

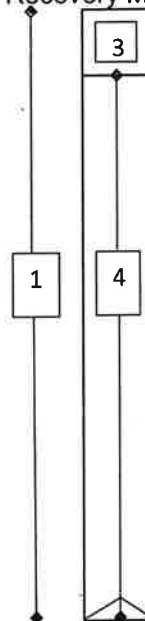
## Core Collection Recovery Details:

1. Core Tube Length: 15.00 ft2. Penetration Depth: 13.00 ft3. Headspace Measurement: 2.80 ft4. Field Recovery Depth: 14.03 ft ft5. Field Recovery Percentage: 93.8%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 14.03 ft ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-MB: See core processing log

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Shoal: -19.4 ft to -20.0 ft = 0.6 ft

## Additional Notes:



## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/17/24

Weather: 80's sunny

Logged By: CC

Location ID: 1T1543

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: SR, CC

## Field Collection Coordinates:

Lat/Northing: 198897.91

Long/Easting: 1272377.83

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: - 6.0 ft

## B. Tide Level Measurement

Time: 1214

Height: 5.89 ft

Source: RTK

## C. Mudline Elevation

- 0.1 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 7.90 ft

3. Headspace Measurement: 0.35 ft

4. Field Recovery Depth: 7.65 ft

5. Field Recovery Percentage: 96.8%

6. Core Accepted: Yes / No

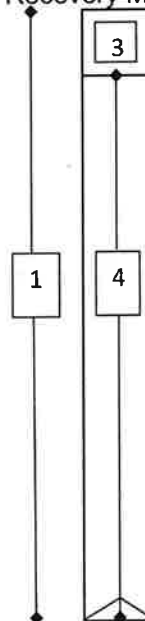
7. Processing Recovery Depth: 7.45 ft

8. Adjusted Recovery Percentage: 94.3%

## Drive Notes:

Free drive.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-G

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

# Sediment Core Collection Form

Project: LDW AOC5 MR Phase II  
Date: 5/16/24  
Weather: SCs, cloudy  
Logged By: KM

Location ID: SC1544  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM, D.S.

## Field Collection Coordinates:

Lat/Northing: 198767.91

Long/Easting: 1272339.47

### A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: 20.6 ft

### B. Tide Level Measurement

Time: 1100  
Height: +6.00 ft  
Source: RTK

### C. Mudline Elevation

-14.6 (ft MLLW)

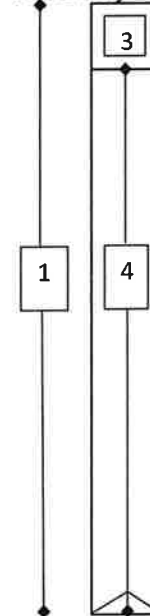
### Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 11.00 ft
3. Headspace Measurement: 1.70 ft
4. Field Recovery Depth: 10.30 ft
5. Field Recovery Percentage: 93.6%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 10.15 ft
8. Adjusted Recovery Percentage: 92.3%

### Drive Notes:

Free drive

### Recovery Measurements (prior to cuts)



### Core Sections To Process:

- A: A-J  
B: See core  
C: processing log  
D:

### Shoe Description:

### Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Additional Notes: 12 ft from target due to anchoring challenges

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/16/24  
Weather: 60s. cloudy  
Logged By: KM

Location ID: 1T1545  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM, DS

Field Collection Coordinates:  
Lat/Northing: 198834.93

Long/Easting: 1272406.95

## A. Water Depth

DTM Depth Sounder:      ft  
DTM Lead Line: - 10.5 ft

## B. Tide Level Measurement

Time: 1322  
Height: + 6.65 ft  
Source: RTK

## C. Mudline Elevation

~~KM~~ 3.85 - 3.9 (ft MLLW)

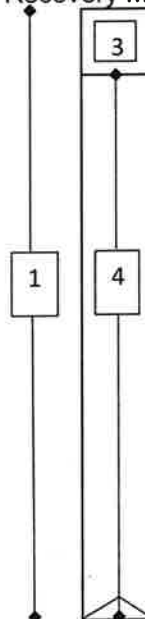
## Core Collection Recovery Details:

1. Core Tube Length: KP 12.00 ft
2. Penetration Depth: 9.00 ft
3. Headspace Measurement: 3.30 ft
4. Field Recovery Depth: 8.70 ft
5. Field Recovery Percentage: 96.7%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 9.10 - 9.45 ft
8. Adjusted Recovery Percentage: 100

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-I  
B: See core processing log  
C:       
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: IT SC1546

Date: 5/31/24

Attempt No.: AV

Weather: 50's sunny

Core Type: Intertidal Subtidal Shoaling

Logged By: cc

Field Staff: cc, kk

## Field Collection Coordinates:

Lat/Northing: 198880.37

Long/Easting: 1272443.01

### A. Water Depth

DTM Depth Sounder:        ft

DTM Lead Line: -5.0 ft

-5.3

### B. Tide Level Measurement

Time: 0915

Height: +4.82 ft

Source: RTK

### C. Mudline Elevation

-0.2 - 0.96 (ft MLLW)

-0.5 PER

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 7.50 ft

3. Headspace Measurement: 0.85 ft

4. Field Recovery Depth: 7.15 ft

5. Field Recovery Percentage: 95.3%

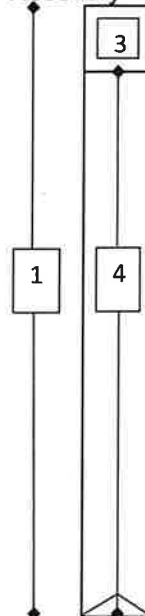
6. Core Accepted: Yes / No

7. Processing Recovery Depth: 6.96 ft

8. Adjusted Recovery Percentage: 92.8%

## Drive Notes:

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-G

B: See core

C: processing log

D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target depth: 7.5 ft.



## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Location ID: 1T1547

Date: 5/31/24

Attempt No.: 2

Weather: 50s sunny

Core Type: Intertidal Subtidal Shoaling

Logged By: CC

Field Staff: CC, KK

## Field Collection Coordinates:

Lat/Northing: 198842.29

Long/Easting: 1272467.81

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -4.9 ft

## B. Tide Level Measurement

Time: 0950

Height: +5.41 ft

Source: RTK

## C. Mudline Elevation

+0.5 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 7.90 ft

3. Headspace Measurement: 0.35 ft

4. Field Recovery Depth: 7.65 ft

5. Field Recovery Percentage: 96.8%

6. Core Accepted: (Yes) / No

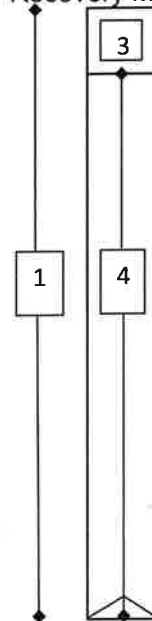
7. Processing Recovery Depth: 7.75 ft

8. Adjusted Recovery Percentage: 98.1%

## Drive Notes:

smooth drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-H see

B: Core processing

C: log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target depth 7.5ft

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 8/17/24

Weather: low 50's, sunny

Logged By: CP

Location ID: SC1549

Attempt No.: 1

Core Type: Intertidal (Subtidal) Shoaling

Field Staff: SR, CC

## Field Collection Coordinates:

Lat/Northing: 198703.80

Long/Easting: 1272419.31

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: - 17.6 ft

## B. Tide Level Measurement

Time: 0809

Height: + 3.63 ft

Source: RTK

## C. Mudline Elevation

-14.0 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 11.30 ft

3. Headspace Measurement: 3.30 ft

4. Field Recovery Depth: 8.70 ft

5. Field Recovery Percentage: 77.0 %

6. Core Accepted: (Yes) No

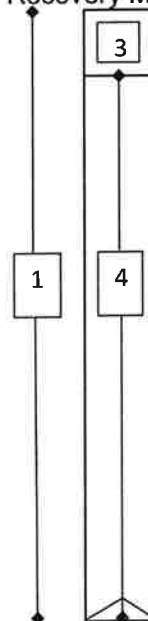
7. Processing Recovery Depth: 8.53 ft

8. Adjusted Recovery Percentage: 75.5 %

## Drive Notes:

Free drive

Recovery Measurements (prior to cuts)



Core Sections To Process:

A: A-J  
B: See core  
C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

## Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II

Date: 5/17/24Weather: 50's, sunnyLogged By: eto-ccLocation ID: 1T1580Attempt No.: 3Core Type: Intertidal Subtidal ShoalingField Staff: SR, SC

## Field Collection Coordinates:

Lat/Northing: 198762.54Long/Easting: 1272444.70

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -5.5 ft-6.8

## B. Tide Level Measurement

Time: 0940Height: +3.7 ftSource: RTK

## C. Mudline Elevation

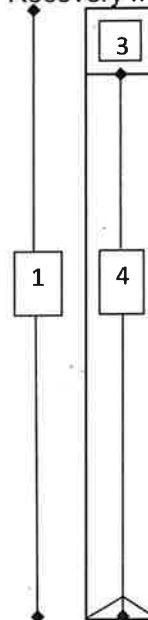
-3.1 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 7.80 ft3. Headspace Measurement: 1.70 ft4. Field Recovery Depth: 6.30 ft5. Field Recovery Percentage: 78.75% 80.8%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 6.48 ft8. Adjusted Recovery Percentage: 83.1

## Drive Notes:

Recovery Measurements (prior to cuts)



Core Sections To Process:

A: A-GB: See core  
process log

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

Project: LDW AOC5 MR Phase II

Date: 7/25/24

Weather: bds, overcast

Logged By: KM

Location ID: 171551

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198807.74

Long/Easting: 1272489.98

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -5.7 ft

## B. Tide Level Measurement

Time: 1007

Height: +8.24 ft

Source: RTK

## C. Mudline Elevation

+2.5 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 4.30 ft

3. Headspace Measurement: 3.90 ft

4. Field Recovery Depth: 4.10 ft

5. Field Recovery Percentage: 95.3%

6. Core Accepted: Yes / No

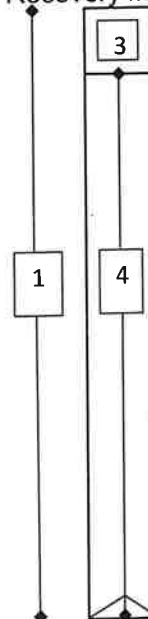
7. Processing Recovery Depth: 4.00 ft

8. Adjusted Recovery Percentage: 93.0%

## Drive Notes:

slow drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-D

B: See core processing log

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core

process attempt 1 (best of 3)



# Sediment Core Collection Form

Project: LDW AOC5 MR Phase II  
Date: 7/25/24  
Weather: 60s, overcast  
Logged By: KM

Location ID: 171552  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 198788.85

Long/Easting: 1272526.18

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: - 3.5 ft

## B. Tide Level Measurement

Time: 0913  
Height: + 9.68 ft  
Source: RTK

## C. Mudline Elevation

+ 6.2 (ft MLLW)

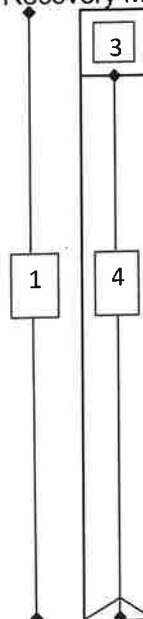
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 6.50 ft
3. Headspace Measurement: 3.70 ft
4. Field Recovery Depth: 4.30 ft
5. Field Recovery Percentage: 66.2%
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 4.22 ft
8. Adjusted Recovery Percentage: 64.9

## Drive Notes:

hard drive to refusal  
bottom ~ 2 ft of core washed out

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-D  
see core processing log  
B: remainder lost  
during collection  
C:   
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core  
process attempt 3- best of 4 attempts despite wash out

## Sediment Core Collection Form

Page 4 of 4

Project: LDW AOC5 MR Phase II

Date: 7/26/24Weather: 70s, SunLogged By: KMLocation ID: 171553Attempt No.: 4Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198757.47Long/Easting: 1272510.30

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -3.0 ft

## B. Tide Level Measurement

Time: 1206Height: +6.77 ftSource: KTK

## C. Mudline Elevation

+3.8 (ft MLLW)

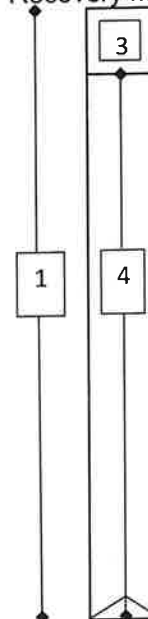
## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft2. Penetration Depth: 4.90 ft3. Headspace Measurement: 0.40 ft4. Field Recovery Depth: 4.60 ft5. Field Recovery Percentage: 93.9%6. Core Accepted: Yes No7. Processing Recovery Depth: 4.60 ft8. Adjusted Recovery Percentage: 93.9%

## Drive Notes:

slow drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-42.3B: 42.3-75.0C: 75.0-103.2D: 103.2-140.2

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core (best of 4 attempts)

# Sediment Core Collection Form

Page 2 of 4

Project: LDW AOC5 MR Phase II  
Date: 7/25/24  
Weather: 70s partly sunny  
Logged By: KM

Location ID: SC1554  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 198625.56

Long/Easting: 1272505.10

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: - 14.9 ft

## B. Tide Level Measurement

Time: 1518  
Height: + 0.71 ft  
Source: RTK

## C. Mudline Elevation

- 14.2 (ft MLLW)

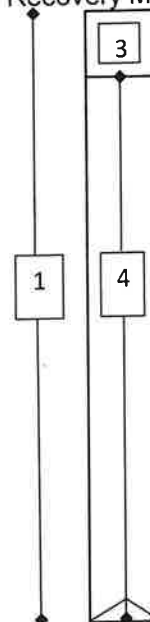
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 5.70 ft
3. Headspace Measurement: 6.50 ft
4. Field Recovery Depth: 5.50 ft
5. Field Recovery Percentage: 96.5%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 5.63 ft
8. Adjusted Recovery Percentage: 98.8%

## Drive Notes:

Slow drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-E  
B: See core processing log  
C:         
D:

Shoe Description: wood debris

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 10 ft core

# Sediment Core Collection Form

Project: LDW AOC5 MR Phase II  
Date: 7/26/24  
Weather: 60s, SUN  
Logged By: KM

Location ID: 177555  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 198694.64

Long/Easting: 1272509.92

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -11.0 ft

## B. Tide Level Measurement

Time: 0916  
Height: +9.46 ft  
Source: RTK

## C. Mudline Elevation

-1.5 (ft MLLW)

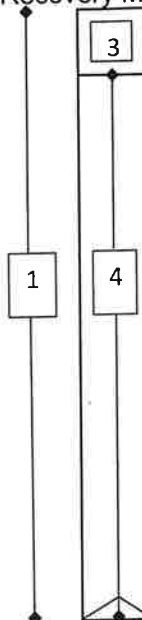
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 2.90 ft
3. Headspace Measurement: 5.50 ft
4. Field Recovery Depth: 2.50 ft
5. Field Recovery Percentage: 86.2%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 2.58 ft
8. Adjusted Recovery Percentage: 89.07%

## Drive Notes:

slow drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-40.1

B: 40.1-78.6

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core



# Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II  
Date: 7/25/24  
Weather: 60s, overcast  
Logged By: KM

Location ID: 171556  
Attempt No.: 3  
Core Type: (Intertidal) Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 198665.68

Long/Easting: 1272596.80

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -5.5 ft

## B. Tide Level Measurement

Time: 1206  
Height: +3.78 ft  
Source: RTK

## C. Mudline Elevation

-1.7 (ft MLLW)

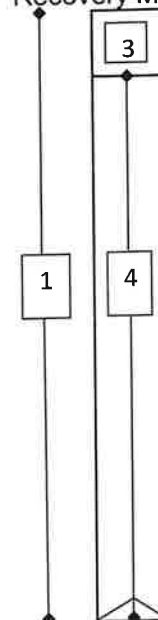
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft
2. Penetration Depth: 4.50 ft
3. Headspace Measurement: 6.00 ft
4. Field Recovery Depth: 4.00 ft
5. Field Recovery Percentage: 88.91
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 4.38 ft
8. Adjusted Recovery Percentage: 97.31

## Drive Notes:

slow drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-E  
B: See core processing log  
C: log  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core  
process attempt 3 (best of 3)

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 6/19/24Weather: 70s, SunLogged By: KMLocation ID: 171557Attempt No.: 2Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198661.85Long/Easting: 1272637.19

## A. Water Depth

DTM Depth Sounder:        ftDTM Lead Line: -8.9 ft

## B. Tide Level Measurement

Time: 1436Height: +7.21 ftSource: RTK

## C. Mudline Elevation

-1.7 (ft MLLW)

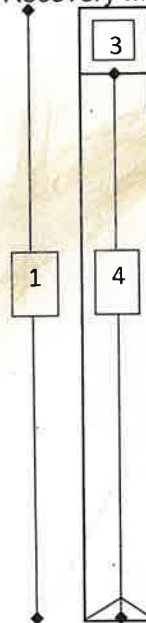
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 2.00 ft3. Headspace Measurement: 6.50 ft4. Field Recovery Depth: 1.50 ft5. Field Recovery Percentage: 75.0%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 1.41 ft8. Adjusted Recovery Percentage: 70.5%

## Drive Notes:

Free drive to refusal @ 2 ft.

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-31.7cmB:       C:       D:       

## Shore Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-45 cm

# Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II  
Date: 7/12/24  
Weather: 80s Sun  
Logged By: KM

Location ID: SC1558  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 198572.28

Long/Easting: 1272510.71

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -21.7 ft

## B. Tide Level Measurement

Time: 1448  
Height: 13.56 ft  
Source: RTK

## C. Mudline Elevation

-18.1 (ft MLLW)

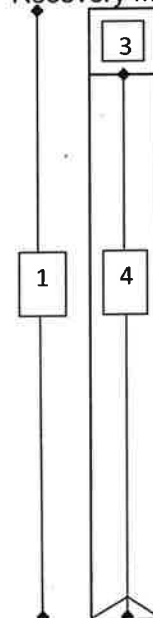
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 7.00 ft
3. Headspace Measurement: 2.10 ft
4. Field Recovery Depth: 5.90 ft
5. Field Recovery Percentage: 84.3%
6. Core Accepted (Yes) / No
7. Processing Recovery Depth: 6.15 ft
8. Adjusted Recovery Percentage: 87.9%

## Drive Notes:

Free drive to 6 ft then slow drive to 7 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-50.9

B: 50.9-104.5

C: 104.5-157.2

D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

Target: -24 ft MLLW

Shoal: -18.1 ft to -20.0 ft MLLW: 1.9 ft

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/23/24  
Weather: Sus, overcast  
Logged By: km

Location ID: SL559  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: km

Field Collection Coordinates:  
Lat/Northing: 198586.04 <sup>km</sup> 198587.55 Long/Easting: 1272645.09 <sup>km</sup> 1272646.72

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -10.0 ft

## B. Tide Level Measurement

Time: km 1031 1037  
Height: -1.50 ft  
Source: RTK

## C. Mudline Elevation

-11.5 (ft MLLW)

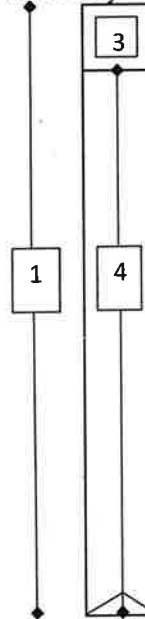
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 11.60 ft
3. Headspace Measurement: 1.70 ft
4. Field Recovery Depth: 10.30 ft
5. Field Recovery Percentage: 85.8%
6. Core Accepted: Yes > No
7. Processing Recovery Depth: 10.45 ft
8. Adjusted Recovery Percentage: 90.1%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-K  
B: See core processing log  
C: \_\_\_\_\_  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:



# Sediment Core Collection Form

Project: LDW AOC5 MR Phase II  
Date: 5/23/24  
Weather: SUS, overcast  
Logged By: KM

Location ID: 1T1560  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 198635.70

Long/Easting: 1272722.97

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -5.3 ft

## B. Tide Level Measurement

Time: 0920  
Height: +1.42 ft  
Source: RTK

## C. Mudline Elevation

-3.9 (ft MLLW)

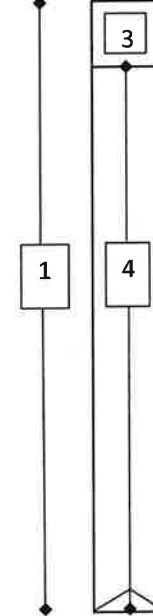
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 5.40 ft
3. Headspace Measurement: 3.50 ft
4. Field Recovery Depth: 4.50 ft
5. Field Recovery Percentage: 83.3
6. Core Accepted: Yes ~~No~~ KM
7. Processing Recovery Depth: 4.65 ft
8. Adjusted Recovery Percentage: 86.1%

## Drive Notes:

hit RTK at 5.4 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-E  
B: See Core Processing log  
C: \_\_\_\_\_  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

process attempt 1 (best of 3)  
less than target depth of 7.5 ft

# Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II

Location ID: 1T1562

Date: 5/17/24

Attempt No.: 2

Weather: 50s sunny

Core Type: Intertidal Subtidal Shoaling

Logged By: CC

Field Staff: SR, CC

## Field Collection Coordinates:

Lat/Northing: 198422.13

Long/Easting: 1272301.45

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: - 9.0 ft

## B. Tide Level Measurement

Time: 1255

Height: +6.37 ft

Source: RTK

## C. Mudline Elevation

- 2.6 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 6.00 ft

3. Headspace Measurement: 3.60 ft

4. Field Recovery Depth: 2.40 4.40 ft

5. Field Recovery Percentage: 40.0% 73.3%

6. Core Accepted: Yes / No

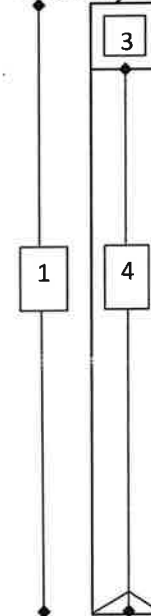
7. Processing Recovery Depth: 4.47 ft

8. Adjusted Recovery Percentage: 74.5%

## Drive Notes:

Insufficient drive depth, but retrieval

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-E

B: See core

C: processing log

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Additional Notes: Accepted - best of 3 attempts

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/16/24Weather: 60s, cloudyLogged By: KMLocation ID: SC1563Attempt No.: 1Core Type: Intertidal (Subtidal) ShoalingField Staff: KM, DS

## Field Collection Coordinates:

Lat(Northing): 198490.71Long(Easting): 1272352.91

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -18.6 ft

## B. Tide Level Measurement

Time: 1146Height: +6.50 ftSource: RTK

## C. Mudline Elevation

-12.1 (ft MLLW)

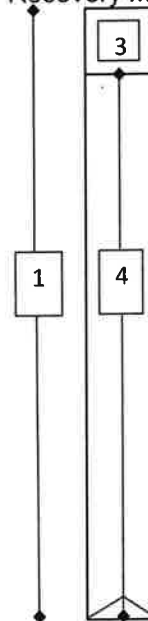
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 11.00 ft3. Headspace Measurement: 1.90 ft4. Field Recovery Depth: 10.10 ft5. Field Recovery Percentage: 91.8%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 11.1 ft8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-JB: See coreC: processing log

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

## Sediment Core Collection Form

Page 2 of 2

Project: LDW AOC5 MR Phase II

Date: 5/28/24

Weather: 50 overcast, rain

Logged By: KM

Location ID: 177565

Attempt No.: 2

Core Type: ☒ Intertidal ☐ Subtidal ☐ Shoaling

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198340.64

Long/Easting: 1272391.76

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -69 ft

## B. Tide Level Measurement

Time: 0923

Height: +8.22 ft

Source: RTK

## C. Mudline Elevation

+1.3 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 7.80 ft

3. Headspace Measurement: 0.30 ft

4. Field Recovery Depth: 7.70 ft

5. Field Recovery Percentage: 98.7%

6. Core Accepted: ☒ Yes / ☐ No

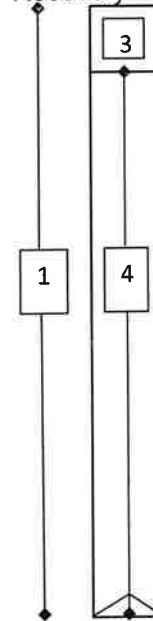
7. Processing Recovery Depth: 6.70 ft

8. Adjusted Recovery Percentage: 85.9%

## Drive Notes:

hit resistance from 3-4 ft then free  
drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-G

B: See core

processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:



# Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II  
Date: 5/28/24  
Weather: SD, overcast  
Logged By: KM

Location ID: IT1566  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198278.61

Long/Easting: 1272419.45

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -59 ft

## B. Tide Level Measurement

Time: 0845  
Height: +8.72 ft  
Source: RTK

## C. Mudline Elevation

+2.8 (ft MLLW)

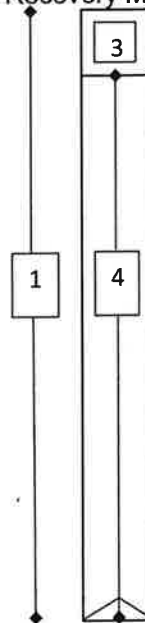
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 4.00 ft
3. Headspace Measurement: 3.50 ft
4. Field Recovery Depth: 4.50 ft
5. Field Recovery Percentage: 112.5%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 4.65 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

tough drive to refusal @ 4ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-E  
B: See core processing log  
C:   
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

best of 3 attempts.  
less than target of 7.5 ft.

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: IT1567

Date: 05/16/24

Attempt No.: 1

Weather: 60's, partly cloudy

Core Type: Intertidal Subtidal Shoaling

Logged By: Delaney Stalls

Field Staff: K. McPeak, D. Staley

## Field Collection Coordinates:

Lat/Northing: 198246.100

Long/Easting: 1272497.79

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -10.2 ft

## B. Tide Level Measurement

Time: 1355

Height: +6.52 ft

Source: RTK

## C. Mudline Elevation

+0.3 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 2.50 ft

3. Headspace Measurement: 5.50 ft

4. Field Recovery Depth: 2.20 ft

5. Field Recovery Percentage: 88.00%

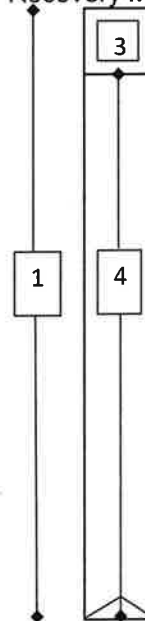
6. Core Accepted: Yes / No

7. Processing Recovery Depth: 2.35 ft

8. Adjusted Recovery Percentage: 94.0

Drive Notes: hard drive to 2.5 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-742.3

B: —

C: —

D: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/6/24  
Weather: 60s, Sun  
Logged By: KM

Location ID: SC1573  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198408.77

Long/Easting: 1272728.26

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -14.9 ft

## B. Tide Level Measurement

Time: 1030  
Height: -2.52 ft  
Source: RTK

## C. Mudline Elevation

-17.4 (ft MLLW)

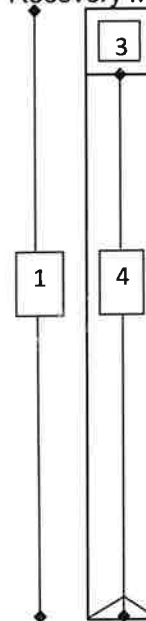
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft
2. Penetration Depth: 3.30 ft
3. Headspace Measurement: 6.20 ft
4. Field Recovery Depth: 3.80 ft
5. Field Recovery Percentage: 115.2%
6. Core Accepted: Yes / No
7. Processing Recovery Depth: 3.92 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-60cm

B:       

C:       

D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-60cm

## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6/6/24Weather: 60s, sunLogged By: KMLocation ID: SC1577Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198185.96Long/Easting: 1272831.37

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -15.0 ft

## B. Tide Level Measurement

Time: 1103Height: -3.29 ftSource: RTK

## C. Mudline Elevation

-18.3 (ft MLLW)

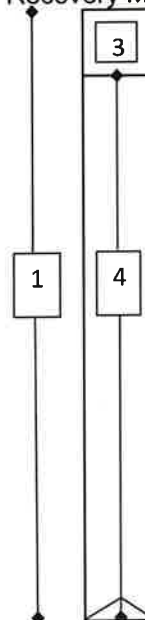
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft2. Penetration Depth: 3.00 ft3. Headspace Measurement: 5.60 ft4. Field Recovery Depth: 2.40 ft5. Field Recovery Percentage: 80.0%6. Core Accepted: Yes / No7. Processing Recovery Depth: 2.59 ft8. Adjusted Recovery Percentage: 86.3%

## Drive Notes:

Free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-51.8cm

B: \_\_\_\_\_

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-60cm



## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 5/28/24Weather: 50s, overcastLogged By: KMLocation ID: SC1579Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 198126.11Long/Easting: 1272920.73

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -18.5 ft

## B. Tide Level Measurement

Time: 1304Height: +0.41 ftSource: RTK

## C. Mudline Elevation

-18.1 (ft MLLW)

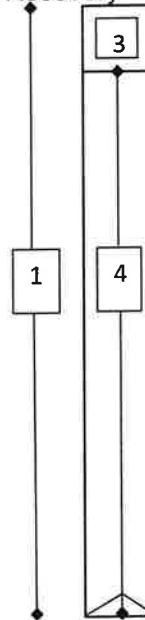
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 10.00 ft3. Headspace Measurement: 2.60 ft4. Field Recovery Depth: 9.40 ft5. Field Recovery Percentage: 94.0%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 9.98 ft8. Adjusted Recovery Percentage: 99.8%

## Drive Notes:

Free drive with some resistance at  
9 ft to end

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-IB: See coreC: processing log

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Location ID: SL1581

Date: 5/28/24

Attempt No.: 1

Weather: 50s, overcast

Core Type: Intertidal Subtidal Shoaling

Logged By: KM

Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 197943.39

Long/Easting: 1272954.34

## A. Water Depth

DTM Depth Sounder:        ft

DTM Lead Line: -13.2 ft

## B. Tide Level Measurement

Time: 1712

Height: -1.34 ft

Source: RTK

## C. Mudline Elevation

-14.5 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 11.40 ft

3. Headspace Measurement: 0.50 ft ft

4. Field Recovery Depth: 11.50 ft

5. Field Recovery Percentage: 100.9%

6. Core Accepted: (Yes) No

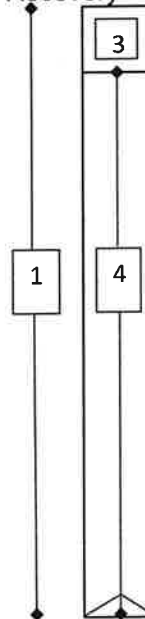
7. Processing Recovery Depth: 11.84 ft

8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-K  
B: See core  
C: processing log  
D:       

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 5/28/24  
Weather: SDs, overcast  
Logged By: KM

Location ID: SC1582  
Attempt No.: 1  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: KM

Field Collection Coordinates:  
Lat/Northing: 1273031.58

Long/Easting: 198026.64

## A. Water Depth

DTM Depth Sounder:        ft  
DTM Lead Line: -15.6 ft

## B. Tide Level Measurement

Time: 1448  
Height: -1.77 ft  
Source: RTK

## C. Mudline Elevation

-17.4 (ft MLLW)

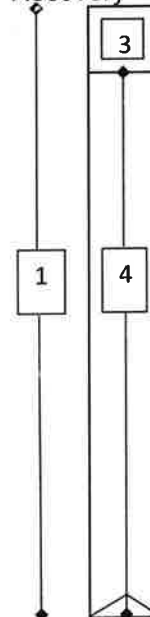
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft
2. Penetration Depth: 9.60 ft
3. Headspace Measurement: 2.10 ft
4. Field Recovery Depth: 9.90 ft
5. Field Recovery Percentage: 103.1%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 10.07 ft
8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-I  
B: See core processing log  
C:         
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Location ID: SC1584Date: 5/29/24Attempt No.: 1Weather: SUs, overcast, rainCore Type: Intertidal (Subtidal) ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 197806.04Long/Easting: 1273109.15

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -18.1 ft

## B. Tide Level Measurement

Time: 1254Height: +3.58 ftSource: KTK

## C. Mudline Elevation

-14.5 (ft MLLW)

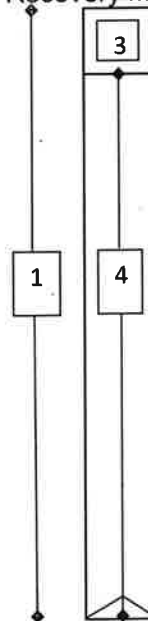
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 7.80 ft3. Headspace Measurement: 4.00 ft4. Field Recovery Depth: 8.00 ft5. Field Recovery Percentage: 102.6%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 8.22 to 8.15 ft8. Adjusted Recovery Percentage: 100%

## Drive Notes:

free drive to refusal @ 7.8 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-HB: see core processing log

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target depth: 10 ftaccepted best of 3 attempts



## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 6/20/24Weather: 60s, sunLogged By: KMLocation ID: <sup>km</sup> 1T1413 1T1585Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 197691.30Long/Easting: 1273137.71

## A. Water Depth

DTM Depth Sounder:          ftDTM Lead Line: -6.0-0.2 ft  
km

## B. Tide Level Measurement

Time: 1010Height: -1.90 ftSource: RTK

## C. Mudline Elevation

1273137.71 km (ft MLLW)-2.1

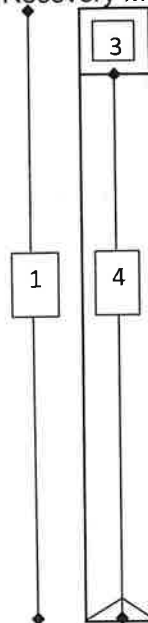
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft2. Penetration Depth: 4.30 ft3. Headspace Measurement: 6.50 ft4. Field Recovery Depth: 3.50 ft5. Field Recovery Percentage: 81.4%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 3.38 6.38 ft8. Adjusted Recovery Percentage: 78.6

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-35.4cmB:         C:         D:         

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-45 cm

## Sediment Core Collection Form

Project: LDW AOC5 MR Phase II

Location ID: SL586Date: 6/6/24Attempt No.: 3Weather: 60s, sunCore Type: Intertidal (Subtidal) ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat/Northing: 177882.31Long/Easting: 1273179.14

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -14.8 ft

## B. Tide Level Measurement

Time: 1143Height: -3.36 ftSource: RTN

## C. Mudline Elevation

-18.2 (ft MLLW)

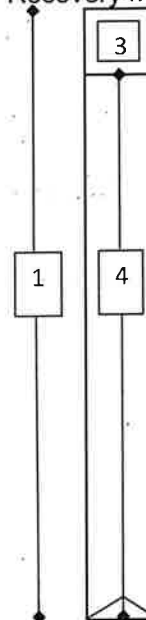
## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft2. Penetration Depth: 9.00 ft3. Headspace Measurement: 6.00 ft4. Field Recovery Depth: 6.00 ft5. Field Recovery Percentage: 66.6%6. Core Accepted: Yes / No7. Processing Recovery Depth: 6.03 ft8. Adjusted Recovery Percentage: 107.0%

## Drive Notes:

free drive to 7ft, then resistance to 9ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-HB: see coreC: processing log

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

previous attempts on 5/29/24  
target: -26 ft MLLW

NOTE! U

Project: LDW AOC5 MR Phase II  
Date: 7/25/24  
Weather: 60s, overcast  
Logged By: KM

Location ID: 17589  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat (Northing): 197997.47

Long (Easting): 1272747.80

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -13.4 ft

## B. Tide Level Measurement

Time: 0759  
Height: 10.02 ft  
Source: KTK

## C. Mudline Elevation

-3.4 (ft MLLW)

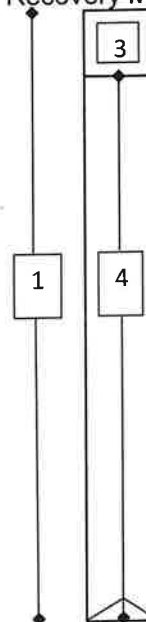
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft  
2. Penetration Depth: 8.00 ft  
3. Headspace Measurement: 3.40 ft  
4. Field Recovery Depth: 6.60 ft  
5. Field Recovery Percentage: 82.5%  
6. Core Accepted: (Yes) / No  
7. Processing Recovery Depth: 7.10 ft  
8. Adjusted Recovery Percentage: 89.5%

## Drive Notes:

Slow drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-H  
B: See core  
C: processing log  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 7.5 ft core

## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II  
Date: 7/12/24  
Weather: 70s, sun  
Logged By: KM

Location ID: IT1590  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: KM

## Field Collection Coordinates:

Lat/Northing: 200288.81Long/Easting: 1270339.61

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -3.9 ft

## B. Tide Level Measurement

Time: 1017Height: +7.65 ftSource: RTK

## C. Mudline Elevation

+3.8 (ft MLLW)

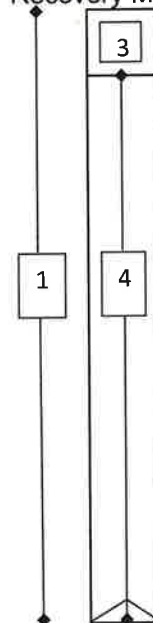
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft2. Penetration Depth: 5.00 ft3. Headspace Measurement: 6.40 ft4. Field Recovery Depth: 3.60 ft5. Field Recovery Percentage: 72.0%6. Core Accepted: Yes No7. Processing Recovery Depth: 3.60 ft8. Adjusted Recovery Percentage: 72.0%

## Drive Notes:

hard drive to refusal @ 5 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-D seeB: core processing log

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -5 ft MLLWprocess attempt 1 (best of 3 attempts)



## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 7-8-2024Weather: sun, 80sLogged By: SRLocation ID: IT1591Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: SR

## Field Collection Coordinates:

Lat/Northing: 260317.58Long/Easting: 1270305.37

## A. Water Depth

DTM Depth Sounder: - ftDTM Lead Line: -0.5 ft

## B. Tide Level Measurement

Time: 1517Height: 1.30 ftSource: RTK

## C. Mudline Elevation

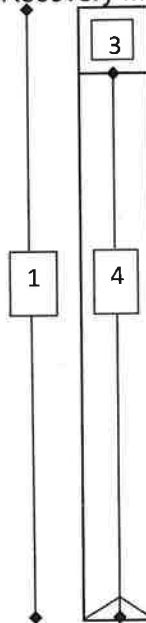
+0.8 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft2. Penetration Depth: 3.00 ft3. Headspace Measurement: 2.10 ft4. Field Recovery Depth: 2.90 ft5. Field Recovery Percentage: 96.7%6. Core Accepted: (Yes) / No7. Processing Recovery Depth: 2.87 ft8. Adjusted Recovery Percentage: 95.7%

## Drive Notes:

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-43.1cm

B: \_\_\_\_\_

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 1.5 ft (0-45cm only)

## Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II

Location ID: 117592Date: 7/12/24Attempt No.: 3Weather: 70s, sunCore Type: Intertidal Subtidal ShoalingLogged By: KMField Staff: KM

## Field Collection Coordinates:

Lat (Northing) 200313.56Long (Easting) 1270253.89

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft

DTM Lead Line: -6.1 ft

## B. Tide Level Measurement

Time: 1153Height: +6.82 ftSource: RTK

## C. Mudline Elevation

+0.7 (ft MLLW)

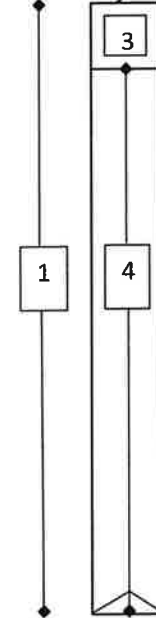
## Core Collection Recovery Details:

1. Core Tube Length: 5.00 ft2. Penetration Depth: 2.50 ft3. Headspace Measurement: 3.10 ft4. Field Recovery Depth: 1.90 ft5. Field Recovery Percentage: 76.0%6. Core Accepted: Yes / No7. Processing Recovery Depth: 1.98 ft8. Adjusted Recovery Percentage: 79.2%

## Drive Notes:

slow drive for refusal @ 2.5 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-35.6B: 35.6-60.4

C: \_\_\_\_\_

D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -5 ft MLLWprocess attempt 3 (best of 3)

## Sediment Core Collection Form

Page 2 of 3

Project: LDW AOC5 MR Phase II  
Date: 7-16-20  
Weather: 80s  
Logged By: HS

Location ID: IT 1593  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: HS

Field Collection Coordinates:  
Lat/Northing: 200303.20

Long/Easting: 1270201.24

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -5.9 ft

## B. Tide Level Measurement

Time: 1315  
Height: +7.82 ft  
Source: RKT

## C. Mudline Elevation

+1.92 (SP) (ft MLLW)

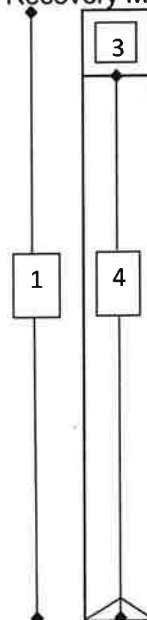
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft
2. Penetration Depth: 5.00 ft
3. Headspace Measurement: 7.10 ft
4. Field Recovery Depth: 2.90 ft
5. Field Recovery Percentage: 58.0%
6. Core Accepted: (Yes) No
7. Processing Recovery Depth: 2.87 ft
8. Adjusted Recovery Percentage: 57.4%

## Drive Notes:

Slow, hard drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-25.8

B: 25.8-43.0

C: 43.0-60.2

D: 60.2-87.5

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Additional Notes: Target - (6 mllw (~ 8 ft depth))

- 8.1 mllw

## Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II

Date: 7.15.2024

Weather: overcast, 60s

Logged By: SP

Location ID: 1T1594

Attempt No.: 3

Core Type: Intertidal Subtidal Shoaling

Field Staff: SP, HS

## Field Collection Coordinates:

Lat/Northing: 12 200367.53

Long/Easting: 1270192.12

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -6.1 ft

## B. Tide Level Measurement

Time: 1143

Height: +6.69 ft

Source: RTK

## C. Mudline Elevation

+0.6 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 5.80 ft

3. Headspace Measurement: 4.10 ft

4. Field Recovery Depth: 3.90 ft

5. Field Recovery Percentage: 67.2%

6. Core Accepted: (Yes) / No

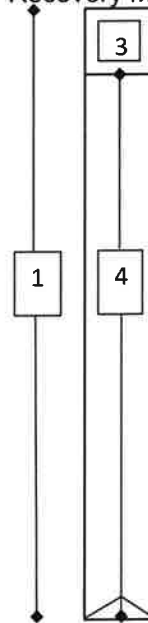
7. Processing Recovery Depth: 4.30 ft

8. Adjusted Recovery Percentage: 74.1%

## Drive Notes:

Steady drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-E see  
core processing  
log

B:

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -6ft MLLW (6.6ft core target)



# Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Location ID: IT 1595

Date: 7/15/24

Attempt No.: 1

Weather: 70s Clear

Core Type: Intertidal Subtidal Shoaling

Logged By: HS ISR

Field Staff: HS

## Field Collection Coordinates:

Lat/Northing: 200311.14

Long/Easting: 1270166.37

## A. Water Depth

DTM Depth Sounder: - ft

DTM Lead Line: -4.3 ft

## B. Tide Level Measurement

Time: 12:13

Height: +7.33 ft

Source: RTK

## C. Mudline Elevation

+3.03<sup>MS</sup> (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 6.50 ft

3. Headspace Measurement: 2.80 ft

4. Field Recovery Depth: 5.20 ft

5. Field Recovery Percentage: 80%

6. Core Accepted: (Yes) / No

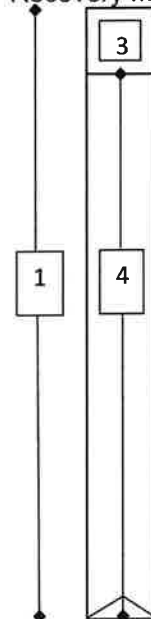
7. Processing Recovery Depth: 5.26 ft

8. Adjusted Recovery Percentage: 80.9%

## Drive Notes:

Steady drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-E see core

B: processing log

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

move ~9.5ft from target due to debris

Target - 5ft MLLW (8ft depth)

Accepted best of 3 Attempts

# Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II  
Date: 7-15-24  
Weather: 70°  
Logged By: HS

Location ID: IT 1596  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: HS Gravity

Field Collection Coordinates:  
Lat/Northing: 200348.62

Long/Easting: 1270109.84

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -6.7 ft

## B. Tide Level Measurement

Time: 1407  
Height: +8.61 ft  
Source: RVT

## C. Mudline Elevation

+1.91 (ft MLLW)

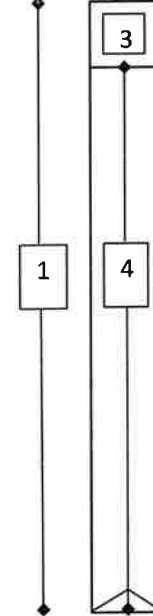
## Core Collection Recovery Details:

- Core Tube Length: 8.00 ft
- Penetration Depth: 3.80 ft
- Headspace Measurement: 3.1 4.90 ft
- Field Recovery Depth: 4.9 3.10 ft
- Field Recovery Percentage: 6 81.6%
- Core Accepted: (Yes) / No
- Processing Recovery Depth: 3.13 ft
- Adjusted Recovery Percentage: 82.4%

## Drive Notes:

Steady to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-C see core processing log  
B:  
C:  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target -5 ft MLLW (~7 ft core)

# Sediment Core Collection Form

Page 4 of 4

Project: LDW AOC5 MR Phase II

Date: 7-18-24

Weather: 80s

Logged By: HS

Location ID: IT 1597

Attempt No.: 4

Core Type: Intertidal Subtidal Shoaling

Field Staff: HS / Gravity

3 of 3  
Completed  
on  
7/15

## Field Collection Coordinates:

Lat/Northing: 200368.00 HS

Long/Easting: 1770106.00 HS

## A. Water Depth

DTM Depth Sounder: - ft

DTM Lead Line: -3.5 ft

## B. Tide Level Measurement

Time: 22:14:14

Height: +7.87 ft

Source: BTK

## C. Mudline Elevation

+4.37 (ft MLLW)

+4.4

## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft

2. Penetration Depth: 2.50 ft

3. Headspace Measurement: 5.50 ft

4. Field Recovery Depth: 2.50 ft

5. Field Recovery Percentage: 100%

6. Core Accepted: (Yes) / No

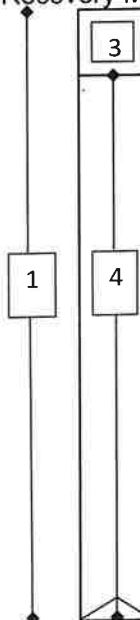
7. Processing Recovery Depth: 2.37 ft

8. Adjusted Recovery Percentage: 94.8%

## Drive Notes:

hard drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-42.7

B: 42.7-72.2

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

brown Sand/Silt

## Additional Notes:

target ~5ft (mllw) target 9.37' depth → only  
using 8ft tube due to water depth limitation

## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Date: 7.16.24

Weather: 80s

Logged By: HS

Location ID: DT-1598

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: HS

## Field Collection Coordinates:

Lat/Northing: 200335.16

Long/Easting: 1270038.00

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -3.5 ft

## B. Tide Level Measurement

Time: 14:45

Height: +9.54 ft

Source: RTK

## C. Mudline Elevation

+6.04<sup>SP</sup> (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 12.00 ft

2. Penetration Depth: 1.90 ft

3. Headspace Measurement: 10.30 ft

4. Field Recovery Depth: 1.70 ft

5. Field Recovery Percentage: 89.5%

6. Core Accepted: Yes No

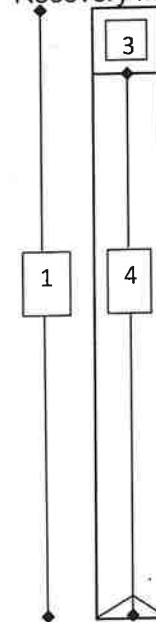
7. Processing Recovery Depth: 1.99 ft

8. Adjusted Recovery Percentage: 100.0%

## Drive Notes:

Hit slow hard drive; hit  
refused

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-45 cm

B: 45-60.7 cm

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target -5 MLLW (~ 11 ft depth)

9.48



# Sediment Core Collection Form

Project: LDW AOC5 MR Phase II  
Date: 7.16.24  
Weather: 80s  
Logged By: HS

Location ID: IT1599  
Attempt No.: 2  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: HS

Field Collection Coordinates:  
Lat/Northing: 200 354.64

Long/Easting: 1270037.95

## A. Water Depth

DTM Depth Sounder: ft  
DTM Lead Line: -6.8 ft

## B. Tide Level Measurement

Time: 1414  
Height: +9.27 ft  
Source: RKT RTK

## C. Mudline Elevation

(SF) +7.47 (ft MLLW)  
+2.5

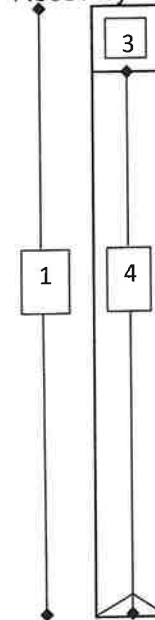
## Core Collection Recovery Details:

1. Core Tube Length: 8.00 ft
2. Penetration Depth: 7.50 ft
3. Headspace Measurement: 2.5 2.1 ft
4. Field Recovery Depth: 5.9 ft
5. Field Recovery Percentage: 78.6%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 5.89 ft
8. Adjusted Recovery Percentage: 78.5%

## Drive Notes:

Steady drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-G see  
core  
processing  
log  
B:  
C:  
D:

Shoe Description: Wood in shoe

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

brown staining on barrel (slight) w/ trace  
sheen on water surface

## Additional Notes:

target -5 mllw (~ 7.5 ft depth)  
moved due to debris

## Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II

Date: 7.16.24

Weather: 80s

Logged By: HS

Location ID: IT1600

Attempt No.: 3

Core Type: ☒ Intertidal ☐ Subtidal ☐ Shoaling

Field Staff: AS / Gravity

## Field Collection Coordinates:

Lat/Northing: 200308.76

Long/Easting: 1269973.38

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -6.7 ft

## B. Tide Level Measurement

Time: 1614

Height: +9.75 ft

Source: RTK

## C. Mudline Elevation

SP +3.05 (ft MLLW)

+3.1

## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft

2. Penetration Depth: 5.20 ft

3. Headspace Measurement: 4.90 ft

4. Field Recovery Depth: 5.10 ft

5. Field Recovery Percentage: 98.01

6. Core Accepted: ☒ Yes ☐ No

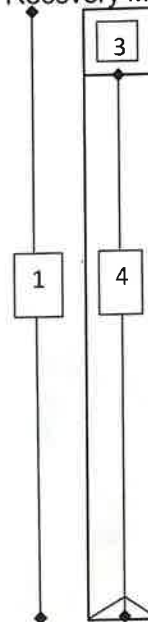
7. Processing Recovery Depth: 5.03 ft

8. Adjusted Recovery Percentage: 96.7%

## Drive Notes:

Steady drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-E see core processing

B: log

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

trace sheen, moderate odor, brown blebs throughout core

## Additional Notes:

Target depth -5MLW (~8ft depth)

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 7-15-24  
Weather: 70S  
Logged By: HS

Location ID: JT 1601  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: HS / Gravity

Field Collection Coordinates:  
Lat/Northing: 200350.08

Long/Easting: 1269977.23

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: -2.9 ft

## B. Tide Level Measurement

Time: 1527  
Height: +8.47 ft  
Source: RT

## C. Mudline Elevation

SK +5.57 (ft MLLW)  
+5.6

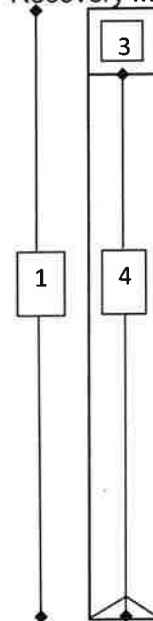
## Core Collection Recovery Details:

- Core Tube Length: 12 ft ft
- Penetration Depth: 10.50 ft
- Headspace Measurement: 4.3 4.10 ft
- Field Recovery Depth: 7.7 HS 7.90 ft
- Field Recovery Percentage: 78.1% 75.2%
- Core Accepted: (Yes) / No
- Processing Recovery Depth: 8.00 ft
- Adjusted Recovery Percentage: 76.2%

## Drive Notes:

Drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: A-J see core processing  
B: log  
C:  
D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target - 5 ft MLLW (~ 10.6' depth)  
used 10 ft tube for health + safety + water depth JTS



## Sediment Core Collection Form

Project: LDW AOC5 MR Phase II

Location ID: IT1662

Date: 7-18-24

Attempt No.: 25

Weather: 80s

Core Type: Intertidal Subtidal Shoaling

Logged By: HS

Field Staff: HS / Gravity

## Field Collection Coordinates:

Lat/Northing: 200329.38

Long/Easting: 1269960.22

## A. Water Depth

DTM Depth Sounder: - ftDTM Lead Line: -8.2 ft

## B. Tide Level Measurement

Time: 17:05

Height: 7.412 + 11.64 ft

Source: RTK

## C. Mudline Elevation

-0.78 km (ft MLLW)

+ 3.4

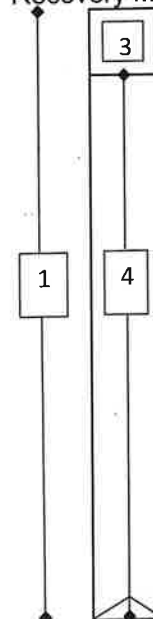
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft2. Penetration Depth: 2.00 ft3. Headspace Measurement: 8.50 ft4. Field Recovery Depth: 1.50 ft5. Field Recovery Percentage: 75.16. Core Accepted: (Yes) / No7. Processing Recovery Depth: 1.72 ft8. Adjusted Recovery Percentage: 86.0%

## Drive Notes:

hard drive to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-38.7B: 38.7-52.4

C: \_\_\_\_\_

D: \_\_\_\_\_

Shoe Description: empty

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

actual depth of sampleable material to ~47 cm (bottom of core was gravel & shoe was empty); discussed w/ S. Replinger - filled ~~part of RB~~ + part of TOC/TS3 jars with available sediment for interval B (no archive)

## Additional Notes:

5th attempt → relocated & probed to find softer spot

target: -3 ft MLLW (~6.5 ft core)



## Sediment Core Collection Form

Page 1 of 3

Project: LDW AOC5 MR Phase II

Date: 7-17-24

Weather: B05

Logged By: HS

Location ID: IT 1603

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: HS / Gravity

## Field Collection Coordinates:

Lat/Northing: 200323.13

Long/Easting: 1269898.65

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: -4.4 ft

## B. Tide Level Measurement

Time: 1356

Height: +8.43 ft

Source: DTIC

## C. Mudline Elevation

+4.03<sup>02</sup> (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 8.00<sup>13</sup> 6.70 ft

2. Penetration Depth: 3.50 ft

3. Headspace Measurement: 4.50 ft

4. Field Recovery Depth: 3.50<sup>13</sup> 2.70 ft5. Field Recovery Percentage: 100<sup>13</sup> 62.81

6. Core Accepted: (Yes /) No

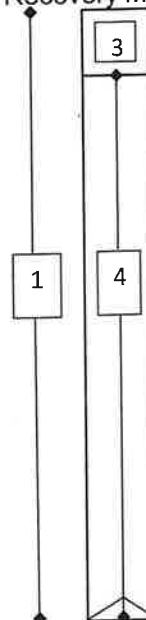
7. Processing Recovery Depth: +2.2<sup>03</sup> 1.96 ft

8. Adjusted Recovery Percentage: 109.05 56.0%

## Drive Notes:

Steady to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 03

B: (see notes for correct section)

C: (see notes for correct section)

D: A to C (see core processing log)

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

black silt, strong HC like odor, abundant sheen on water surface (rainbow w/ amber blebs)

## Additional Notes:

Target -3' MLLW (~7 ft depth)  
about 12 ft from target due to debris

# Sediment Core Collection Form

Project: LDW AOC5 MR Phase II

Location ID: IT1604

Date: 7-18-24

Attempt No.: 4

Weather: 80s

Core Type: Intertidal Subtidal Shoaling

Logged By: HS

Field Staff: HS Gravity

## Field Collection Coordinates:

Lat/Northing: 200338.18

Long/Easting: 126986695

## A. Water Depth

DTM Depth Sounder: - ft

DTM Lead Line: -7.6 ft

## B. Tide Level Measurement

Time: 1748

Height: 7.42m

Source: RTK

## C. Mudline Elevation

7.25 (ft MLLW)

+4.06

+4.1

## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft

2. Penetration Depth: 2.00 ft

3. Headspace Measurement: 9.20 - 8.20 ft

4. Field Recovery Depth: 0.80 ft

5. Field Recovery Percentage: 40% 90%

6. Core Accepted: Yes

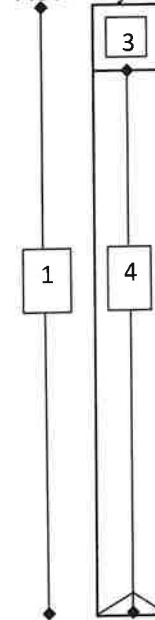
7. Processing Recovery Depth: 1.70 ft

8. Adjusted Recovery Percentage: 85.0%

## Drive Notes:

hard to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-38.3

B: 38.3-51.8

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

H<sub>2</sub>S odor

## Additional Notes:

3 Attempted cores previously (all no recovery)  
relocated w/ probing

target: -3 ft MLLW (~7 ft core)

# Sediment Core Collection Form

Page 3 of 3

Project: LDW AOC5 MR Phase II  
Date: 7-17-24  
Weather: 80s  
Logged By: HS

Location ID: IT 1605  
Attempt No.: 3  
Core Type: ☒ Intertidal ☐ Subtidal ☐ Shoaling  
Field Staff: HS Gravity

Field Collection Coordinates:  
Lat/Northing: 200335.96

Long/Easting: 1269849.21

## A. Water Depth

DTM Depth Sounder: — ft  
DTM Lead Line: - 6.2 ft

## B. Tide Level Measurement

Time: 18:14  
Height: +10.54 ft  
Source: RTK

## C. Mudline Elevation

+4.34 (ft MLLW)

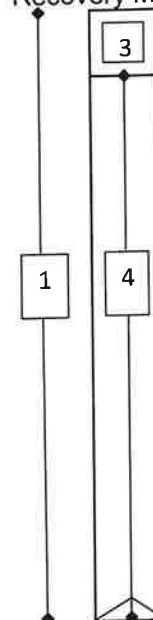
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft
2. Penetration Depth: 7.50 ft
3. Headspace Measurement: 3.00 ft
4. Field Recovery Depth: 2.00 ft
5. Field Recovery Percentage: 93.3%
6. Core Accepted: ☒ Yes ☐ No
7. Processing Recovery Depth: 7.13 ft
8. Adjusted Recovery Percentage: 95.1%

## Drive Notes:

Steady to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-H

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target -3 ft MLLW (7.5 ft depth)



Project: LDW AOC5 MR Phase II

Date: 7-17-24Weather: 805Logged By: HSLocation ID: IT1606Attempt No.: 3Core Type: (Intertidal) Subtidal ShoalingField Staff: HS / Gravity

## Field Collection Coordinates:

Lat/Northing: 200332.92Long/Easting: 1269833.01

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -6.6 ft

## B. Tide Level Measurement

Time: 1712Height: +10.85 ftSource: RTK

## C. Mudline Elevation

+4.75 (ft MLLW)+4.3

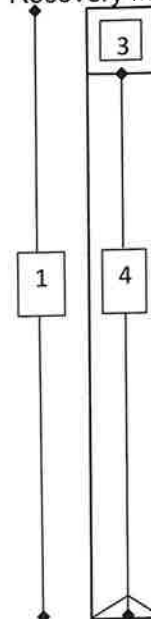
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft2. Penetration Depth: 5.00 ft3. Headspace Measurement: 5.40 ft4. Field Recovery Depth: 4.60 ft5. Field Recovery Percentage: 92.0%6. Core Accepted: (Yes) No7. Processing Recovery Depth: 4.85 ft8. Adjusted Recovery Percentage: 97.0%

## Drive Notes:

Steady to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-HEB: See coreC: Processing logD:   

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Some Sheen (rainbow) and trace HC odor

## Additional Notes:

target -3 ft MLLW (~ 7.25 ft depth)



## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 7-16-24

Weather: 80s

Logged By: HS

Location ID: IT 1607

Attempt No.: 1

Core Type: Intertidal Subtidal Shoaling

Field Staff: HS / Gravity

## Field Collection Coordinates:

Lat/Northing: 200343.22

Long/Easting: 1269833.62

## A. Water Depth

DTM Depth Sounder: — ft

DTM Lead Line: ~~4.84~~ ft

## B. Tide Level Measurement

Time: 1840

Height: ~~8.92~~ <sup>RS</sup> 8.89 ftSource: ~~RTK~~ RTK

## C. Mudline Elevation

~~4.13~~ (ft MLLW)~~4.09~~ ft MLLW

+4.1

## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft

2. Penetration Depth: ~~7.10~~ 7.04 7.10 ft

3. Headspace Measurement: 3.30 ft

4. Field Recovery Depth: 6.70 ft

5. Field Recovery Percentage: 94.3

6. Core Accepted: Yes / No

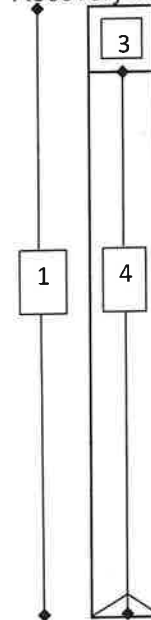
7. Processing Recovery Depth: 6.53 ft

8. Adjusted Recovery Percentage: 92.0

## Drive Notes:

Steady to refusal @ 7.1'

Recovery Measurements (prior to cuts)



Core Sections To Process:

A: A-G (see core processing log)

B:

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: -3 ft MLLW (achieved)

# Sediment Core Collection Form

Project: LDW AOC5 MR Phase II  
Date: 7.18.24  
Weather: 80s  
Logged By: HS

Location ID: IT1609  
Attempt No.: 3  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: HS / Gravity

## Field Collection Coordinates:

Lat/Northing: 20036764

Long/Easting: 1269780.20

## A. Water Depth

DTM Depth Sounder: - ft  
DTM Lead Line: -5.3 ft

## B. Tide Level Measurement

Time: 1553  
Height: 7.08 + 10.87 ft  
Source: RTK

## C. Mudline Elevation

+1.78 (ft MLLW)  
+5.6

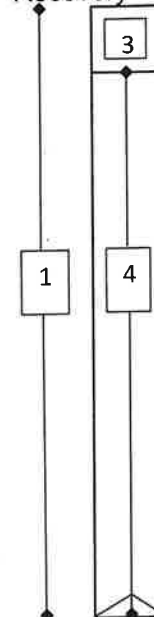
## Core Collection Recovery Details:

- Core Tube Length: 8.00 ft
- Penetration Depth: 1.00 2.00 ft
- Headspace Measurement: 6.25 ft
- Field Recovery Depth: 1.75 ft
- Field Recovery Percentage: 87.5
- Core Accepted: Yes / No
- Processing Recovery Depth: 0.95 (without liquid) ft
- Adjusted Recovery Percentage: 47.5%

## Drive Notes:

hard to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-29.0

B:

C:

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

Core mostly liquid - measured 1.3 ft at processing prior to opening;  
then 0.95 ft after liquid ran out / was lost. Core recovery  
uncertain due to liquid; per S. Replinger jarred available  
sediment as one interval

## Additional Notes:

relocated w/ probe  
target -3' mllw (~8 ft depth)

Project: LDW AOC5 MR Phase II

Date: 7.16.24

Weather: 80%

Logged By: HS

Location ID: IT1610

Attempt No.: 2

Core Type: Intertidal Subtidal Shoaling

Field Staff: AST Gravity

## Field Collection Coordinates:

Lat/Northing: 260329.68

Long/Easting: 1269933.82

## A. Water Depth

DTM Depth Sounder: - ft

DTM Lead Line: -5.5 ft

## B. Tide Level Measurement

Time: 1748

Height: +9.21 ft

Source: RTR

## C. Mudline Elevation

+3.76 (ft MLLW)

## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft

2. Penetration Depth: 1.40 ft

3. Headspace Measurement: 8.70 ft

4. Field Recovery Depth: 1.30 ft

5. Field Recovery Percentage: 92.8%

6. Core Accepted: Yes No

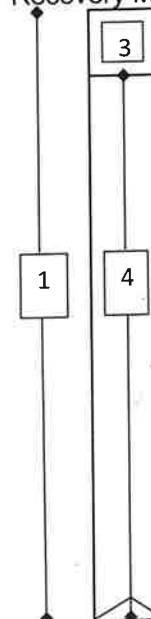
7. Processing Recovery Depth: 1.26 ft

8. Adjusted Recovery Percentage: 90

## Drive Notes:

hard to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-38.4

B: 0-42.7  
Note: core was shorter than corrected 0-45

C:

D:

Shoe Description: Rubber like material

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

black silt, strong HC like odor, sheen on water surface

## Additional Notes:

target - 3 ft mllw (~7 ft depth)



# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 7-18-24  
Weather: 80°  
Logged By: HS

Location ID: ET 1611  
Attempt No.: 1  
Core Type: Intertidal Subtidal Shoaling  
Field Staff: HS / Gravity

Field Collection Coordinates:  
Lat/Northing: 260322.58

Long/Easting: 1270684.63

## A. Water Depth

DTM Depth Sounder: - ft  
DTM Lead Line: 48 ft

## B. Tide Level Measurement

Time: 19:04  
Height: + 11.24 ft  
Source: RTK

## C. Mudline Elevation

+ 6.44 (ft MLLW)

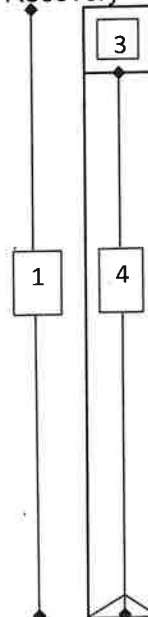
## Core Collection Recovery Details:

- Core Tube Length: 10.00 ft
- Penetration Depth: 6.00 ft
- Headspace Measurement: 4.40 ft
- Field Recovery Depth: 5.60 ft
- Field Recovery Percentage: 93.1
- Core Accepted: (Yes) / No
- Processing Recovery Depth: 5.96 ft
- Adjusted Recovery Percentage: 99.3%

## Drive Notes:

Steady to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-F

B: See core

C: processing log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

found soft spot while probing near shore  
new location added

target: NA



## Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II

Date: 7.18.24Weather: 80°Logged By: HSLocation ID: IT 1612Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: HS/Gravity

## Field Collection Coordinates:

Lat/Northing: 200 32.7.19Long/Easting: 1269997.40

## A. Water Depth

DTM Depth Sounder: - ftDTM Lead Line: -7.9 ft

## B. Tide Level Measurement

Time: 1926Height: +11.15 ftSource: RTK

## C. Mudline Elevation

+3.25 (ft MLLW) <sup>(SP)</sup>+3.3

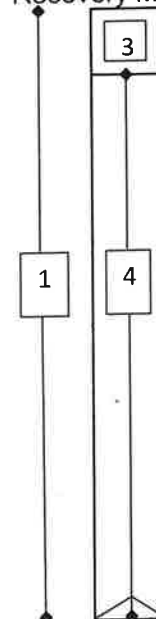
## Core Collection Recovery Details:

1. Core Tube Length: 10.00 ft2. Penetration Depth: 8.00 ft3. Headspace Measurement: 3.50 ft4. Field Recovery Depth: 6.50 ft5. Field Recovery Percentage: 61.5%6. Core Accepted: Yes / No7. Processing Recovery Depth: 7.25 ft8. Adjusted Recovery Percentage: 90.6%

## Drive Notes:

Steady to refusal

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: A-GB: See processingC: log

D:

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

New location added, Soft spot while probingtarget: NA

# Sediment Core Collection Form

Page 1 of 1

Project: LDW AOC5 MR Phase II  
Date: 6/25/24  
Weather: 60s, sun  
Logged By: KM

Location ID: SC1823  
Attempt No.: 1  
Core Type: Intertidal (Subtidal) Shoaling  
Field Staff: KM, DS

Field Collection Coordinates:  
Lat/Northing: 201130.76

Long/Easting: 1270245.21

## A. Water Depth

DTM Depth Sounder: \_\_\_\_\_ ft  
DTM Lead Line: -14.0 ft  
*disc watch*

## B. Tide Level Measurement

Time: 0940  
Height: +6.88 ft  
Source: RTK

## C. Mudline Elevation

-7.1 (ft MLLW)

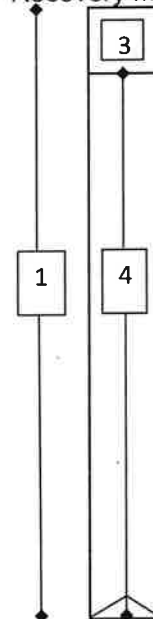
## Core Collection Recovery Details:

1. Core Tube Length: 4.00 ft
2. Penetration Depth: 2.00 ft
3. Headspace Measurement: 2.40 ft
4. Field Recovery Depth: 1.60 ft
5. Field Recovery Percentage: 80.0%
6. Core Accepted: (Yes) / No
7. Processing Recovery Depth: 1.63 ft
8. Adjusted Recovery Percentage: 81.5%

## Drive Notes:

free drive

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

- A: 0-48.9cm  
B: \_\_\_\_\_  
C: \_\_\_\_\_  
D: \_\_\_\_\_

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

collected 25 ft from pier face / coordinates documented above  
target: 0-60 cm  
diver-collected core

## Sediment Core Collection Form

Page 1 of 2

Project: LDW AOC5 MR Phase II

Date: 6/25/24Weather: 60s, sunLogged By: KMLocation ID: SC1824Attempt No.: 1Core Type: Intertidal Subtidal ShoalingField Staff: KM, DS

## Field Collection Coordinates:

Lat/Northing: 201063.76Long/Easting: 1270344.64

## A. Water Depth

DTM Depth Sounder: — ftDTM Lead Line: -9.0 ftdiver watch

## B. Tide Level Measurement

Time: 1113Height: +3.27 ftSource: RTK

## C. Mudline Elevation

-5.7 (ft MLLW)

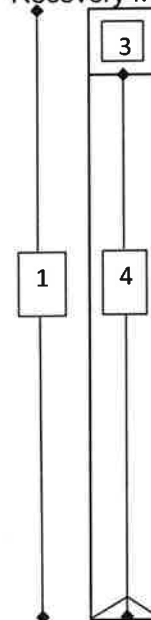
## Core Collection Recovery Details:

1. Core Tube Length: 4.00 ft2. Penetration Depth: 1.92 ft3. Headspace Measurement: 2.08 2.45 ft4. Field Recovery Depth: 1.55 ft5. Field Recovery Percentage: 80.7%6. Core Accepted: Yes / No7. Processing Recovery Depth: 1.60 1.63 ft8. Adjusted Recovery Percentage: 83.3% 84.9%

## Drive Notes:

free drive to refusal @ 1.92 ft

## Recovery Measurements (prior to cuts)



## Core Sections To Process:

A: 0-49.7cm  
B: equivalent to  
58.5cm  
uncorrected  
C: —  
D: —

## Shoe Description:

## Core Field Observations and Description:

Sediment type, moisture, color, minor modifier, MAJOR modifier, other constituents, odor, sheen, layering, anoxic layer, debris, plant matter, shells, biota

## Additional Notes:

target: 0-60 cmdiver collected core @ coordinates