

# Sample Collection Log

Station ID: SED-01C Date: 3/21/23

Project ID: PotH Jensen & Sons Machine

Coordinates: Lat/Northing: 564 582.60 Long/Easting: 1115762.17

Vertical Datum: (MLLW) MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 33.2' Leadline 33.1'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1             | Attempt 2 | Attempt 3 |
|----------------------------------------------------|-----------------------|-----------|-----------|
| Time:                                              | 11:51                 |           |           |
| (A) Measured Water Depth                           | 33.1'                 |           |           |
| (B) Tide Height                                    | 3.5'                  |           |           |
| (C) Mudline Elevation                              | -29.6                 |           |           |
| (-A+B = C include sign of tide height as reported) |                       |           |           |
| Estimated Penetration                              | 7.0'                  |           |           |
| Description of Sample/Core Drive                   | hit resistance @ 5.5' |           |           |
| Refusal Encountered?                               |                       |           |           |
| Total Core Length                                  | 8.5'                  |           |           |

## Sample Characteristics

|                          |                                                               |                                                               |                                                               |
|--------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        |
| Sediment Color           | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                               |                                                               |                                                               |

Comments: likely first 2' was a push before starting v. hard core

Recorded by: Loan Delucia

# Sediment Core Log

Project: POFH Jensen's Marina R.I.

Date: 3/21/2023

Core ID: SED-01C (SED-01)

Core Pushed By: GRAVITY

Attempt No. 1

Core Logged By: R. JONES (CRET)

Water Depth/Elevation of Core

Type of Core VIBRACORE

Cored Length (feet; from log) 7.0

Diameter of Core (inches) 4

Core Recovery (feet) 8.5

Core Quality ☒ Good ☐ Fair ☐ Poor ☐ Disturbed

Average % Compaction = 21% FLUFF

| Theoretical<br>Core Sections | Depth<br>in<br>( )<br>Actual | Sample<br>Interval<br>SAMPLE<br>TIME | Sample<br>Analytes<br>B.H.E<br>Count                      | SEDIMENT DESCRIPTION (USCS)                                                                                                                                                                                      |
|------------------------------|------------------------------|--------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | 0                            | 0-1'<br>1151                         | See<br>Custody<br>Chain<br>16oz x 1<br>4oz x 1<br>9oz x 4 | 0-7'<br>SILTY SAND, vfg-fg, dk gray, saturated, loose<br>trace SHELL fragments,<br>@ 2.4' abundant SHELLS<br>@ 2.5-2.6' wood debris (stick)<br>@ 5.6' trace med-cg SAND<br>@ 5.8' abundant cg-vcg SAND, subel-rd |
|                              | 1                            | 1-3'<br>1151                         | 2 x 9oz                                                   |                                                                                                                                                                                                                  |
|                              | 2                            |                                      |                                                           |                                                                                                                                                                                                                  |
|                              | 3                            |                                      |                                                           |                                                                                                                                                                                                                  |
|                              | 4                            | 3-5'<br>1151                         | 2 x 9oz                                                   |                                                                                                                                                                                                                  |
|                              | 5                            |                                      |                                                           |                                                                                                                                                                                                                  |
|                              | 6                            | 5-7'<br>1151                         | 2 x 9oz                                                   |                                                                                                                                                                                                                  |
|                              | 7                            |                                      |                                                           | 7-7.8' GRAVELLY SAND, vcg, dk gray<br>subel-rd GRAVEL and COBBLES<br>7.8-8.4' SAND, fg-med, wet, firm, abundant vfg, dk gray/<br>8.4+ Material removed w/ core catcher, SAND little to no<br>SHELLS              |
|                              | 8                            |                                      |                                                           |                                                                                                                                                                                                                  |
|                              | 8.5                          |                                      |                                                           |                                                                                                                                                                                                                  |

# Sample Collection Log

Station ID: SED-03C Date: 3/21/23

Project ID: \_\_\_\_\_

Coordinates: Lat/Northing: 564436.63 Long/Easting: 1115848.33  
~~415848.33~~

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 16.5' Leadline 16.5'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1      | Attempt 2 | Attempt 3 |
|----------------------------------------------------|----------------|-----------|-----------|
| Time:                                              | <u>14:42</u>   |           |           |
| (A) Measured Water Depth                           | <u>16.5'</u>   |           |           |
| (B) Tide Height                                    | <u>5.2'</u>    |           |           |
| (C) Mudline Elevation                              | <u>-11.3'</u>  |           |           |
| (-A+B = C include sign of tide height as reported) |                |           |           |
| Estimated Penetration                              | <u>7.0'</u>    |           |           |
| Description of Sample/Core Drive                   |                |           |           |
| Refusal Encountered?                               |                |           |           |
| Total Core Length                                  | <u>7.0' 2"</u> |           |           |

## Sample Characteristics

|                          |                                                               |                                                               |                                                               |
|--------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        |
| Sediment Color           | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                               |                                                               |                                                               |

Comments:

Recorded by: Len [Signature]

# Sediment Core Log

Project: PoFH Jensen's Marina R.I.

Date: 3/21/2023

Core ID: SED-03 (SED-03C)

Core Pushed By: GRAVITY

Attempt No. 1

Core Logged By: K. JONES (CETE)

Water Depth/Elevation of Core

Type of Core VIBRACORE

Cored Length (feet; from log) 7.0

Diameter of Core (inches) 4 INCHES

Core Recovery (feet) ~7.2'

Core Quality ☒ Good ☐ Fair ☐ Poor ☐ Disturbed

Average % Compaction = ~2%+ FLUFF

| Theoretical<br>Depth<br>in<br>( )<br>Actual<br>Core Sections | Sample<br>Interval<br>Sample<br>Time | Sample<br>Analytes<br>Bottle<br>Count | SEDIMENT DESCRIPTION (USCS)                                                                |
|--------------------------------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------|
| 0                                                            | 0-1'<br>1442                         | See<br>Custody<br>Chain               | 0-7.2'<br>SILTY SAND, sfq-fq, some med., saturated, dk gray<br>Trace small SHELL fragments |
| 1                                                            | 1-3'<br>1442                         | 1x16oz poly<br>1x4oz<br>4x9oz         | 0-1.6' Very loose (soup) consistency                                                       |
| 2                                                            |                                      | 2x9oz                                 | @ 1.7' increasing SHELL pieces/fragments                                                   |
| 3                                                            | 3-5'<br>1442                         | 2x9oz                                 |                                                                                            |
| 4                                                            |                                      |                                       | @ ~4' med.-firm consistency, SAA                                                           |
| 5                                                            | 5-7'<br>1442                         | 2x9oz                                 | @ 5'                                                                                       |
| 6                                                            |                                      |                                       |                                                                                            |
| 7                                                            |                                      |                                       |                                                                                            |

# Sample Collection Log

Station ID: SED-05C Date: 3/20/23

Project ID: PcFH

Coordinates:  
 Lat/Northing: 564284.53 Long/Easting: 1115796.35

Vertical Datum: (MLLW) MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 8.8' Leadline 8.8'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1 | Attempt 2 | Attempt 3 |
|----------------------------------------------------|-----------|-----------|-----------|
| Time:                                              | 12:44     |           |           |
| (A) Measured Water Depth                           | 8.8'      |           |           |
| (B) Tide Height                                    | 3.7'      |           |           |
| (C) Mudline Elevation                              | -5.1      |           |           |
| (-A+B = C include sign of tide height as reported) |           |           |           |
| Estimated Penetration                              | 7.0'      |           |           |
| Description of Sample/Core Drive                   |           |           |           |
| Refusal Encountered?                               |           |           |           |
| Total Core Length                                  | 7' 4"     |           |           |

## Sample Characteristics

|                             |                                                                  |                                                                  |                                                                  |
|-----------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type               | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color              | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor               | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering<br>Homogeneous |                                                                  |                                                                  |                                                                  |
| Comments:                   |                                                                  |                                                                  |                                                                  |

Recorded by: Leon M. Rude

# Sediment Core Log

Project: POFH Jensen's Marina R.I.

Date: 3.21.2023

Core ID: SED-05C (SED-05)

Core Pushed By: Gravity

Attempt No. 1

Core Logged By: R. Jones

Water Depth/Elevation of Core

Type of Core VibraCore

Cored Length (feet; from log) 7'

Diameter of Core (inches) 4 inches

Core Recovery (feet) 7.3'

Core Quality ☒ Good ☐ Fair ☐ Poor ☐ Disturbed

Average % Compaction = 4% FLUFF

| Theoretical<br>Depth<br>in<br>( )<br>Actual<br>Core Sections | Sample<br>Interval<br>Sample<br>Time | Sample<br>Analytes<br>Bottle<br>Count               | SEDIMENT DESCRIPTION (USCS)                                                                                                         |
|--------------------------------------------------------------|--------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 0                                                            | 0-1'<br>12/4                         | See<br>Custody<br>Chain<br>1x16oz<br>1x4oz<br>4x9oz | SILTY SAND, fq-fq, saturated, dark gray,<br><del>some</del> wood (small) to med.<br>@ 0.8' trace-some SHELL fragments, intermittent |
| 1                                                            | 1-3'<br>12/4                         | 2x9oz                                               |                                                                                                                                     |
| 2                                                            |                                      |                                                     |                                                                                                                                     |
| 3                                                            |                                      |                                                     |                                                                                                                                     |
| 4                                                            | 3-5'<br>12/4                         | 2x9oz                                               | @ 3.5-4' some med. grained                                                                                                          |
| 5                                                            |                                      |                                                     |                                                                                                                                     |
| 6                                                            | 5-7'<br>12/4                         | 2x9oz                                               |                                                                                                                                     |
| 7                                                            |                                      |                                                     | 7-7.3' abundant SHELLS & SHELL fragments                                                                                            |
| 8                                                            |                                      |                                                     |                                                                                                                                     |

# Sample Collection Log

Station ID: SED-07 Date: 3/22/23

Project ID: PoFH Jensen's SWS Marine

Coordinates:  
 Lat/Northing: 564121.45 Long/Easting: 1115975.10

Vertical Datum: MLW MLW Other:

Depth Measurement: Sounder 8.6' Leadline 8.2'

Project Depth:                      Overdredge                     

|                                                    | Attempt 1 | Attempt 2 | Attempt 3 |
|----------------------------------------------------|-----------|-----------|-----------|
| Time:                                              | 07:29     |           |           |
| (A) Measured Water Depth                           | 8.2'      |           |           |
| (B) Tide Height                                    | 7.6'      |           |           |
| (C) Mudline Elevation                              | -0.6'     |           |           |
| (-A+B = C include sign of tide height as reported) |           |           |           |
| Estimated Penetration                              | 7.5'      |           |           |
| Description of Sample/Core Drive                   |           |           |           |
| Refusal Encountered?                               | -         |           |           |
| Total Core Length                                  | 7.6'      |           |           |

## Sample Characteristics

|                                                                                                                                                           |                                                                  |                                                                  |                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type                                                                                                                                             | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color                                                                                                                                            | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor                                                                                                                                             | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering<br>Homogeneous                                                                                                                               |                                                                  |                                                                  |                                                                  |
| <b>Comments:</b> hydraulic leak from wrench pump during drive - loose<br>cable, tightened and finish drive - no hydraulic fluid spilled<br>into the water |                                                                  |                                                                  |                                                                  |

Recorded by: Leon Delwiche

# Sediment Core Log

Project: PoH Jensen's Marina R.I.

Date: 3/28/2023

Core ID: SED-07

Core Pushed By: GRAVITY

Attempt No. 1

Core Logged By: R. JONES (RETE)

Water Depth/Elevation of Core

Type of Core VIBROCORE

Cored Length (feet; from log) 7.5

Diameter of Core (inches) 4-INCHES

Core Recovery (feet) 7.6

Core Quality ☒ Good ☐ Fair ☐ Poor ☐ Disturbed

Average % Compaction = <1% FLUFFY RS 11% COMPACT AS

| Theoretical<br>Depth<br>( )<br>Actual<br>Core Sections | Sample<br>Interval<br>Sample<br>Time | Sample<br>Analytes<br>Bottle<br>Count                                            | SEDIMENT DESCRIPTION (USCS)                                                                                                                      |
|--------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 0                                                      | 0-1'<br>0729                         | 1x16oz G<br>See<br>Custody<br>Chain<br>1x16oz<br>poly<br>1x4oz<br>4x9oz<br>2x4oz | 0-0.4' SANDY GRAVEL, subrd, cq-vqc,<br>small-med. gravel, wet, dk gray<br>0.4-7.5' some SHELLS                                                   |
| 1                                                      |                                      |                                                                                  |                                                                                                                                                  |
| 2                                                      | 1-3'<br>0729                         | 2x9oz<br>2x4oz                                                                   | SILTY SAND, fq, minor-some CLAY fines,<br>wet-sat. (well-drained), dk gray<br>minor SHELL fragments<br>@ 1.7' abundant SHELLS, minor wood fibers |
| 3                                                      |                                      |                                                                                  |                                                                                                                                                  |
| 4                                                      | 3-5'<br>0729                         | 2x9oz<br>2x4oz                                                                   | @ 3' becoming fq-med-grained SAND, SAA<br>Increasing wood debris w/ depth (minor-some)                                                           |
| 5                                                      |                                      |                                                                                  |                                                                                                                                                  |
| 6                                                      | 5-7'<br>0729                         | 2x9oz<br>2x4oz                                                                   |                                                                                                                                                  |
| 7                                                      |                                      |                                                                                  |                                                                                                                                                  |

SED-DUP2C  
collected SED-DUP2C @ noon  
Grain size only (1x16oz poly)

# Sample Collection Log

Station ID: SED-08C Date: 3/22/23

Project ID: POFH Jensen's SWS Marine

Coordinates:  
Lat/Northing: 56409 564098.98 Long/Easting: 1115529.42

Vertical Datum: MLLW MLW Other:

Depth Measurement: Sounder 8.6' Leadline 8.5'

Project Depth: Overdredge

|                                                    | Attempt 1 | Attempt 2 | Attempt 3 |
|----------------------------------------------------|-----------|-----------|-----------|
| Time:                                              | 08:07     |           |           |
| (A) Measured Water Depth                           | 8.5'      |           |           |
| (B) Tide Height                                    | 7.1'      |           |           |
| (C) Mudline Elevation                              | -1.4'     |           |           |
| (-A+B = C include sign of tide height as reported) |           |           |           |
| Estimated Penetration                              |           |           |           |
| Description of Sample/Core Drive                   |           |           |           |
| Refusal Encountered?                               | -         |           |           |
| Total Core Length                                  | 7.0'      |           |           |

## Sample Characteristics

|                          |                                                               |                                                               |                                                               |
|--------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        |
| Sediment Color           | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                               |                                                               |                                                               |

Comments:

Recorded by: Leon M. [Signature]

# Sediment Core Log

Project: POH Jensen's Marina R.I.

Date: 3.22.2023

Core ID: SED-08

Core Pushed By: GRAVITY

Attempt No. 1

Core Logged By: R. JONES (CRETE)

Water Depth/Elevation of Core

Type of Core VIBRA-CORE

Cored Length (feet; from log) 7

Diameter of Core (inches) 4-INCHES

Core Recovery (feet) 7 to 7.5'

Core Quality ☒ Good ☐ Fair ☐ Poor ☐ Disturbed

Average % Compaction = ~7% FLUFF

| Theoretical<br>Depth<br>( )<br>Core Sections | Actual<br>Depth<br>( )<br>Core Sections | Sample<br>Interval<br>Sample<br>Time | Sample<br>Analytes<br>Bottle<br>Conc'd    | SEDIMENT DESCRIPTION (USCS)                                                                          |
|----------------------------------------------|-----------------------------------------|--------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------|
| 0                                            |                                         | 0-1'<br>0807                         | See<br>Custody<br>Chain                   | SAND, vfq-fq, minor med. SILTY<br>trace-minor CLAY FINES, saturated,<br>dk gray<br>trace SHELLS      |
| 1                                            |                                         | 1-3'<br>0807                         | 1x16oz poly<br>4x9oz<br>2x4oz<br>2x4oz/kg | @1.8' Increasing SHELLS, trace small WOOD                                                            |
| 2                                            |                                         |                                      | 1x16oz poly<br>2x9oz<br>2x4oz<br>2x4oz/kg | @2.8' Abundant SHELLS, increasing med-grain SAND<br>@3' Minor dec. wood debris<br>Mostly medium SAND |
| 3                                            |                                         |                                      | 2x9oz<br>2x4oz/kg                         | @4.5' wood/STICK                                                                                     |
| 4                                            |                                         | 3-5'<br>0807                         |                                           |                                                                                                      |
| 5                                            |                                         |                                      | 2x9oz<br>2x4oz                            |                                                                                                      |
| 6                                            |                                         | 5-7'<br>0807                         |                                           |                                                                                                      |
| 7                                            |                                         |                                      |                                           | @7' soft water                                                                                       |

# Sample Collection Log

Station ID: SED-096 Date: 3/22/23

Project ID: \_\_\_\_\_

Coordinates:  
Lat/Northing: 564064.55 Long/Easting: 1115595.13

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 8.9' Leadline 8.6'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1    | Attempt 2 | Attempt 3 |
|----------------------------------------------------|--------------|-----------|-----------|
| Time:                                              | <u>08:33</u> |           |           |
| (A) Measured Water Depth                           | <u>8.6'</u>  |           |           |
| (B) Tide Height                                    | <u>6.6'</u>  |           |           |
| (C) Mudline Elevation                              | <u>-2.0'</u> |           |           |
| (-A+B = C include sign of tide height as reported) |              |           |           |
| Estimated Penetration                              | <u>7.5'</u>  |           |           |
| Description of Sample/Core Drive                   |              |           |           |
| Refusal Encountered?                               | <u>-</u>     |           |           |
| Total Core Length                                  | <u>7.7'</u>  |           |           |

## Sample Characteristics

|                          |                                                                  |                                                                  |                                                                  |
|--------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color           | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                                  |                                                                  |                                                                  |

Comments:

Recorded by: Leon Delunco

# Sediment Core Log

Project: POFH Jensen's Marling R.I.

Date: 3.22.2023

Core ID: CORE# SED-09

Core Pushed By: GRAVITY

Attempt No. 1

Core Logged By: R. JONES (CRETE)

Water Depth/Elevation of Core

Type of Core VIBRA-CORE

Cored Length (feet; from log) 7.5

Diameter of Core (inches) 4-INCHES

Core Recovery (feet) 7.7

Core Quality ☒ Good ☐ Fair ☐ Poor ☐ Disturbed

Average % Compaction = 2-3% FLUFF

| Theoretical<br>Depth<br>( )<br>Core Sections | Actual<br>Depth<br>( )<br>Core Sections | Sample<br>Interval<br>Sample<br>Time | Sample<br>Analytes<br>Bottle<br>Count                      | SEDIMENT DESCRIPTION (USCS)                                                                                                                |
|----------------------------------------------|-----------------------------------------|--------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 0                                            | 0                                       | 0-1'<br>0833                         | See<br>Custody<br>Chain                                    | SAND, vfg-med, (mostly vfg-fg), saturated,<br>some SILT, <del>minor CLAY FIBERS</del> , dk gray                                            |
| 1                                            | 1                                       | 1-3'<br>0833                         | 1x16oz poly<br>2x4oz AG<br>2x4oz C<br>2x9oz<br>No archives | Abundant <u>WOOD</u> and some SHELL fragments<br>0.8-2.2' abundant wood, fg-med.-grained SAND<br>2.2'+ less wood debris, well-drained SAND |
| 2                                            | 2                                       |                                      | 2x4oz AG<br>2x4oz C<br>2x9oz<br>1x16oz poly                | 3.4' wood/stick                                                                                                                            |
| 3                                            | 3                                       | 3-5'<br>0833                         | 2x9oz<br>2x4oz AG                                          |                                                                                                                                            |
| 4                                            | 4                                       |                                      |                                                            |                                                                                                                                            |
| 5                                            | 5                                       | 5-7'<br>0833                         | 2x9oz<br>2x4oz AG                                          | @ 6.5' S&A, but dec. SHELLS & wood                                                                                                         |
| 6                                            | 6                                       |                                      |                                                            |                                                                                                                                            |
| 7                                            | 7                                       |                                      |                                                            | ~7.5' measured core recovery                                                                                                               |

# Sample Collection Log

Station ID: SED-10C Date: 3/23/23

Project ID: \_\_\_\_\_

Coordinates: Lat/Northing: 514043.10 Long/Easting: 1115688.13

Vertical Datum: (MLLW) MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 6.6' Leadline 6.3'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1 | Attempt 2 | Attempt 3            |
|----------------------------------------------------|-----------|-----------|----------------------|
| Time:                                              | 6:48      | 8:00      | 8:17                 |
| (A) Measured Water Depth                           | 6.3'      | 6.0'      | 5.8'                 |
| (B) Tide Height                                    | 7.6'      | 7.5'      | 7.2'                 |
| (C) Mudline Elevation                              | 1.3'      | 1.5'      | 1.4'                 |
| (-A+B = C include sign of tide height as reported) |           |           |                      |
| Estimated Penetration                              | 2.7'      | 3.2'      | 7.2'                 |
| Description of Sample/Core Drive                   | discard   | discard   | keep                 |
| Refusal Encountered?                               | yes       | yes       | yes                  |
| Total Core Length                                  | 2.2'      | 2.6'      | <del>5.4'</del> 6.1' |

## Sample Characteristics

|                          |                                                               |                                                               |                                                               |
|--------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        |
| Sediment Color           | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                               |                                                               |                                                               |

Comments: debris (rocks and large boards) on the west side of location. Coarse sands and woody debris in discarded core.

Recorded by: Lin M. Stuebe

# Sediment Core Log

Project: PAFH R.I. (Jensen's Marina)

Date: 3.23.2023

Core ID: SED-10

Core Pushed By: GRAVITY

Attempt No. 3

Core Logged By: R. JONES (CRETE)

Water Depth/Elevation of Core

Type of Core VIBRA-CORE

Cored Length (feet; from log) 7.2

Diameter of Core (inches) 4-INCHES

Core Recovery (feet) 6.1 (26)

Core Quality ☐ Good ☒ Fair ☐ Poor ☐ Disturbed

Average % Compaction = 15+ % COMPACTION

| Theoretical<br>Depth<br>in<br>( )<br>Core Sections | Actual | Sample<br>Interval<br>Sample<br>Time | Sample<br>Analytes<br>Bottle<br>Count      | SEDIMENT DESCRIPTION (USCS)                                                                                                   |
|----------------------------------------------------|--------|--------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 0                                                  |        | 0-1'<br>0817                         | Same as<br>Below<br>Custody<br>Chain       | 0-0.2' SILT FINES, vfq SAND, loose, saturated<br>dk gray, minor med sand & subrd gravel<br>to black some organic fines        |
| 1                                                  |        | 1-3'<br>0817                         | 1x16oz poly<br>2x4oz A<br>2x4oz C<br>2x9oz | 0.2-0.8' SAND, fq-med, minor cg-veg, sat., dk gray<br>minor subrd gravel, some SHELL, woods                                   |
| 2                                                  |        |                                      |                                            | 0.8-3'<br>SAND, med-cg, some fq, sat., dk greenish gray<br>abundant SHELLS & wood debris (sticks)<br>trace-minor subrd GRAVEL |
| 3                                                  |        | 3-5'<br>0817                         | 2x4oz A<br>2x9oz                           | 3-6' SAA, dec. subrd GRAVEL, SHELLS, and woods,<br>well-drained (drains rapidly)<br>NO SILTS OR FINES                         |
| 4                                                  |        |                                      |                                            |                                                                                                                               |
| 5                                                  |        | 5-6'<br>0817                         | 2x4oz A<br>2x9oz                           | @ 5.5-6' COBBLES present                                                                                                      |
| 6                                                  |        |                                      |                                            |                                                                                                                               |
| 7                                                  |        |                                      |                                            |                                                                                                                               |

# Sample Collection Log

Station ID: SED-11C Date: 3/23/23

Project ID: \_\_\_\_\_

Coordinates:  
 Lat/Northing: 564049.96 Long/Easting: 1115717.13

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 6.5' Leadline 6.2'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1 | Attempt 2            | Attempt 3 |
|----------------------------------------------------|-----------|----------------------|-----------|
| Time:                                              | 08:42     | 09:10                | 09:31     |
| (A) Measured Water Depth                           | 6.2'      | 5.7'                 | 5.2'      |
| (B) Tide Height                                    | 6.8'      | <del>3.5'</del> 6.0' | 5.7'      |
| (C) Mudline Elevation                              | 0.6'      | 0.3'                 | 0.4'      |
| (-A+B = C include sign of tide height as reported) |           |                      |           |
| Estimated Penetration                              | 5.8'      | 5.4'                 | 5.3'      |
| Description of Sample/Core Drive                   | keep      | discard              | discard   |
| Refusal Encountered?                               | yes       | yes                  | yes       |
| Total Core Length                                  | 5.6'      | 3.5'                 | 4.7'      |

## Sample Characteristics

|                          |                                                               |                                                               |                                                               |
|--------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        |
| Sediment Color           | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                               |                                                               |                                                               |
| Comments:                | coarse sands and woody debris in discarded core               |                                                               |                                                               |

Recorded by: Carla R. Rine

# Sediment Core Log

Project: POFH RI (Jensen's Marina)

Date: 3.23.2023

Core ID: SED-11

Core Pushed By: GRAVITY

Attempt No. 1

Core Logged By: R. JONES (CRETE)

Water Depth/Elevation of Core

Type of Core VIBRACORE

Cored Length (feet; from log) 5.8

Diameter of Core (inches) 4-INCHES

Core Recovery (feet) 5.6 (5')

Core Quality ☐ Good ☒ Fair ☐ Poor ☐ Disturbed

Average % Compaction = ~3% COMPACTION

| Theoretical<br>Depth<br>in<br>( )<br>Core Sections | Actual<br>Depth<br>in<br>( )<br>Core Sections | Sample<br>Interval<br>Sample<br>Time | Sample<br>Analytes<br>Bottle<br>Count                                                  | SEDIMENT DESCRIPTION (USCS)                                                                                                                                                                |
|----------------------------------------------------|-----------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0                                                  | 0                                             | 0-1'<br>0842                         | Same as<br>below<br>Custody<br>Chain<br>1x 16oz poly<br>2x 4oz A<br>2x 4oz C<br>4x 9oz | 0-5' SAND, vfg-med (fg-med mostly), saturated<br>minor SILTS 0-1' dk greenish gray<br>@ 0.8' Inc. SHELLS & WOOD interspersed<br>most wood natural (sticks), some<br>wood maybe from lumber |
| 1                                                  | 1                                             | No Archive<br>1-3'<br>0842           | 1x 16oz poly<br>2x 4oz A<br>2x 4oz C<br>4x 9oz                                         |                                                                                                                                                                                            |
| 2                                                  | 2                                             |                                      | 1x 16oz<br>1x 4oz                                                                      | SED-DUP3C @ 1200                                                                                                                                                                           |
| 3                                                  | 3                                             | 3-5'<br>0842                         |                                                                                        |                                                                                                                                                                                            |
| 4                                                  | 4                                             |                                      | 2x 4oz<br>2x 9oz                                                                       | @ 4-5' trace cg SAND                                                                                                                                                                       |
| 5                                                  | 5                                             |                                      | 2x 4oz A<br>2x 9oz                                                                     | No recovery > 5'                                                                                                                                                                           |
| 6                                                  | 6                                             |                                      |                                                                                        |                                                                                                                                                                                            |
| 7                                                  | 7                                             |                                      |                                                                                        |                                                                                                                                                                                            |

# Sample Collection Log

Station ID: SED-12C Date: 3/22/23

Project ID: \_\_\_\_\_

Coordinates:  
Lat/Northing: 564038.05 Long/Easting: 1115772.07

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 5.4' Leadline 4.8'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1  | Attempt 2           | Attempt 3           |
|----------------------------------------------------|------------|---------------------|---------------------|
| Time:                                              | 09:25      | 09:45               | 10:01               |
| (A) Measured Water Depth                           | 4.8'       | 4.3'                | 3.9'                |
| (B) Tide Height                                    | 5.3'       | 4.7'                | 4.3'                |
| (C) Mudline Elevation                              | 0.5'       | 0.4'                | 0.4'                |
| (-A+B = C include sign of tide height as reported) |            |                     |                     |
| Estimated Penetration                              | 3.5'       | 3.5'                | 3.8'                |
| Description of Sample/Core Drive                   | Kept       | discard core sample | discard core sample |
| Refusal Encountered?                               | yes        | yes                 | yes                 |
| Total Core Length                                  | 3.5' 3.25' | 2.25'               | 2.9'                |

## Sample Characteristics

|                          |                                                               |                                                               |                                                               |
|--------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        |
| Sediment Color           | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                               |                                                               |                                                               |

Comments: Attempt 2: 564036.46, 1115782.89  
3: 564038.27, 1115777.81

Recorded by: Leon M. Delwiche

# Sediment Core Log

Project: POFH Jensen's Marling RT

Date: 3.22.2023

Core ID: SED-12

Core Pushed By: GRAVITY

Attempt No. 1

Core Logged By: T. JONES (CRETE)

Water Depth/Elevation of Core

Type of Core VIBRACORE

Cored Length (feet; from log) 3.5

Diameter of Core (inches) 4-INCHES

Core Recovery (feet) 3.25

Core Quality ☐ Good ☒ Fair ☐ Poor ☐ Disturbed

Average % Compaction = 7-8% COMPACTION

| Theoretical<br>Depth<br>( )<br>Actual<br>Core Sections | Sample<br>Interval<br>Sample<br>Time | Sample<br>Analytes<br>Bottle<br>Count                                   | SEDIMENT DESCRIPTION (USCS)                                                    |
|--------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|                                                        |                                      |                                                                         |                                                                                |
| 0                                                      | 0-1'<br>0925                         | See<br>Custody<br>Chain<br>1x 16oz pty<br>4x 9oz<br>2x 4oz AG<br>1x 4oz | 0-0.3' SAND, vfq-fq, loose, saturated, dk gray<br>some wood + shell debris     |
| 1                                                      |                                      |                                                                         | 0.3-3' SAND, fq-med, sat, dk gray<br>abundant SHELLS + wood (decomp.)          |
| 2                                                      | 1-3'<br>0925                         | 2x 4oz AG<br>2x 9oz                                                     | @ 1.9' ↓ dec. SHELLS + wood, loose, dk gray<br>incl FINES (SILT, vfq SAND)     |
| 3                                                      |                                      |                                                                         |                                                                                |
|                                                        |                                      |                                                                         | Lost bottom couple inches of core removing<br>core liner from Lexan drive tube |

# Sample Collection Log

Station ID: SEP-14C Date: 3/21/23

Project ID: \_\_\_\_\_

Coordinates: 564164.34 Long/Easting: 1115714.22  
Lat/Northing: \_\_\_\_\_

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 9.4' Leadline 9.3'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1 | Attempt 2 (Dup) | Attempt 3 |
|----------------------------------------------------|-----------|-----------------|-----------|
| Time:                                              | 15:33     | 15:51           |           |
| (A) Measured Water Depth                           | 9.3'      | 9.9'            |           |
| (B) Tide Height                                    | 5.9'      | 6.2'            |           |
| (C) Mudline Elevation                              | -3.4'     | -3.7'           |           |
| (-A+B = C include sign of tide height as reported) |           |                 |           |
| Estimated Penetration                              | 7.0'      | 7.0'            |           |
| Description of Sample/Core Drive                   |           |                 |           |
| Refusal Encountered?                               |           |                 |           |
| Total Core Length                                  | 6' 7"     | 6' 10"          |           |

## Sample Characteristics

|                          |                                                               |                                                               |                                                               |
|--------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        |
| Sediment Color           | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                               |                                                               |                                                               |
| Comments:                |                                                               |                                                               |                                                               |

Recorded by: L. Delwiche

# Sediment Core Log

Project: Poff Jensen's Marling R.I.

Date: 3.21.2023

Core ID: SED-14C (SED-14)

Core Pushed By: Gravity

Attempt No. 1 and 2 (for duplicate)

Core Logged By: R. Jones (RETE)

Water Depth/Elevation of Core

Type of Core VibraCore

Cored Length (feet; from log) 7.0 / 7.0

Diameter of Core (inches) 4-inches

Core Recovery (feet) 6.6 / 6.6

Core Quality ☒ Good ☐ Fair ☐ Poor ☐ Disturbed

Average % Compaction = 6% / 14% / 1-2%

| Theoretical<br>Depth<br>in<br>( )<br>Actual<br>Core Sections | Sample<br>Interval<br>Sample<br>Time | Sample<br>Analytes<br>Bottle<br>Count                     | SEDIMENT DESCRIPTION (USCS)                                                         |
|--------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------|
| 0                                                            | 0-1'<br>1533<br>DuPC<br>1200         | See<br>Custody<br>Chain                                   | SAND, fq-fg, saturated, dk gray<br>trace wood/twig, minor SHELL fragments           |
| 1                                                            | 1-3'<br>1533                         | 2x 16oz poly<br>4x 4oz AG<br>6x 4oz clear<br>2x 9oz clear | @ 1.3' decomposed wood                                                              |
| 2                                                            |                                      |                                                           |                                                                                     |
| 3                                                            | 3-5'<br>1533                         | 2x 9oz                                                    | 3.2' Increasing SHELL fragments (some)                                              |
| 4                                                            |                                      |                                                           |                                                                                     |
| 5                                                            | 5-7'<br>1533                         | 2x 9oz                                                    | 5.6' trace wood/twig                                                                |
| 6                                                            |                                      |                                                           |                                                                                     |
| 7                                                            |                                      |                                                           |                                                                                     |
|                                                              |                                      |                                                           | X Collected SED-DuPC: 0-1 @ "1200" (insufficient volume, no grain size, no archive) |

# Sample Collection Log

Station ID: SED-25C Date: 3/22/23

Project ID: \_\_\_\_\_

Coordinates:  
Lat/Northing: 564121.70 Long/Easting: 1115600.35

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 5.7' Leadline 5.2'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1    | Attempt 2 | Attempt 3 |
|----------------------------------------------------|--------------|-----------|-----------|
| Time:                                              | <u>11:19</u> |           |           |
| (A) Measured Water Depth                           | <u>5.2'</u>  |           |           |
| (B) Tide Height                                    | <u>2.7'</u>  |           |           |
| (C) Mudline Elevation                              | <u>-2.5'</u> |           |           |
| (-A+B = C include sign of tide height as reported) |              |           |           |
| Estimated Penetration                              | <u>7.5'</u>  |           |           |
| Description of Sample/Core Drive                   |              |           |           |
| Refusal Encountered?                               | <u>✗</u>     |           |           |
| Total Core Length                                  | <u>7.3'</u>  |           |           |

## Sample Characteristics

|                             |                                                                  |                                                                  |                                                                  |
|-----------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type               | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color              | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor               | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering<br>Homogeneous |                                                                  |                                                                  |                                                                  |

Comments:

Recorded by: Len M. [Signature]

# Sediment Core Log

Project: Boff Tensen's Marina

Date: 3.22.2023

Core ID: SED-25

Core Pushed By: GRAVITY

Attempt No. 1

Core Logged By: R. JONES (CFET)

Water Depth/Elevation of Core

Type of Core VIBRA-CORE

Cored Length (feet; from log) 7.5

Diameter of Core (inches)

Core Recovery (feet) 7.3 (8.2)\*

Core Quality ☒ Good ☐ Fair ☐ Poor ☐ Disturbed

Average % Compaction = ~3% COMPACTION (9% FLUFF)\*

| Theoretical<br>Depth<br>( )<br>Core Sections | Actual<br>Depth<br>( )<br>Core Sections | Sample<br>Interval<br>Sample<br>Time | Sample<br>Analytes<br>Bottle<br>Count                          | SEDIMENT DESCRIPTION (USCS)                                                                                               |
|----------------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 0                                            | 0                                       | 0-1'<br>1119                         | 1x16oz poly<br>3x4oz See<br>Custody Chain<br>2x4oz Ag<br>2x4oz | 0-1.3'<br>SILTY SAND, vfg-fg, saturated, soft/loose dk-gray-black<br>0-1.3' minor CLAY fines, minor small SHELL fragments |
| 1                                            | 1                                       | 1-3'<br>1119                         | 1x16oz<br>3x4oz<br>4x9oz<br>2x4oz Ag                           | 1.3-8.2'<br>SAND, vfg-med. (mostly fg), sat., dk greenish gray<br>Abundant large SHELLS                                   |
| 2                                            | 2                                       | 3-5'<br>1119                         | 2x4oz Ag<br>2x9oz                                              | @ 3.5' trace small wood, well-drained SAND                                                                                |
| 3                                            | 3                                       |                                      |                                                                |                                                                                                                           |
| 4                                            | 4                                       |                                      |                                                                |                                                                                                                           |
| 5                                            | 5                                       | 5-7'<br>1119                         | 2x9oz<br>2x4oz Ag                                              | @ 5' trace small wood                                                                                                     |
| 6                                            | 6                                       |                                      |                                                                |                                                                                                                           |
| 7                                            | 7                                       |                                      |                                                                | 7-8' some abundant wood debris                                                                                            |
| 8                                            | 8                                       |                                      |                                                                | * Core length measured @ 8.2' during processing*                                                                          |

# Sample Collection Log

Station ID: SED-26C Date: 3/22/23

Project ID: \_\_\_\_\_

Coordinates:  
Lat/Northing: 564113.29 Long/Easting: 1115685 87

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 5.4' Leadline 4.9'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1    | Attempt 2 | Attempt 3 |
|----------------------------------------------------|--------------|-----------|-----------|
| Time:                                              | <u>10:38</u> |           |           |
| (A) Measured Water Depth                           | <u>4.9</u>   |           |           |
| (B) Tide Height                                    | <u>3.4'</u>  |           |           |
| (C) Mudline Elevation                              | <u>-1.5'</u> |           |           |
| (-A+B = C include sign of tide height as reported) |              |           |           |
| Estimated Penetration                              | <u>7.5'</u>  |           |           |
| Description of Sample/Core Drive                   |              |           |           |
| Refusal Encountered?                               |              |           |           |
| Total Core Length                                  | <u>7.25'</u> |           |           |

## Sample Characteristics

|                          |                                                               |                                                               |                                                               |
|--------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        |
| Sediment Color           | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                               |                                                               |                                                               |

Comments:

Recorded by: Lea M. Fisher

# Sediment Core Log

Project: Poff Jensen's Marina R1

Date: 3.22.2023

Core ID: SED-26

Core Pushed By: GRAVITY

Attempt No. SED-26 R1 (1)

Core Logged By: R. JONES (CRETE)

Water Depth/Elevation of Core

Type of Core VIBRA CORE

Cored Length (feet; from log) 7.5

Diameter of Core (inches) 4-INCHES

Core Recovery (feet) 7.25

Core Quality ☒ Good ☐ Fair ☐ Poor ☐ Disturbed

Average % Compaction = 3-4% compaction

| Theoretical<br>Depth<br>( )<br>Core Sections | Actual<br>Depth<br>( )<br>Core Sections | Sample<br>Interval<br>Sample<br>Time | Sample<br>Analytes<br>Bottle<br>Count      | SEDIMENT DESCRIPTION (USCS)                                                                                                          |
|----------------------------------------------|-----------------------------------------|--------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 0                                            | 0                                       | 0-1'<br>1038                         | See<br>Custody<br>Chain                    | 0-0.6' SAND w/ SILT, CLAY FINES, vfg-fg,<br>soft, loose, saturated, dk gray, to black<br>minor small wood debris                     |
| 1                                            | 1                                       | 1-3'<br>1038                         | 1x 16oz poly<br>2x 9oz<br>3x 4oz<br>2x 4oz | 0.6-7' SAND, fg-med, saturated, dk greenish gray<br>abundant SHELLS and SHELL fragments<br>abundant wood, in various phases of decay |
| 2                                            | 2                                       |                                      |                                            |                                                                                                                                      |
| 3                                            | 3                                       | 3-5'<br>1038                         | 1x 16oz poly<br>3x 4oz<br>2x 4oz<br>4x 9oz |                                                                                                                                      |
| 4                                            | 4                                       |                                      | 2x 4oz<br>2x 9oz                           |                                                                                                                                      |
| 5                                            | 5                                       | 5-7'<br>1038                         | 2x 4oz<br>2x 9oz                           |                                                                                                                                      |
| 6                                            | 6                                       |                                      |                                            |                                                                                                                                      |
| 7                                            | 7                                       |                                      |                                            |                                                                                                                                      |

# Sample Collection Log

Station ID: SED-27C Date: 3/22/23

Project ID: \_\_\_\_\_

Coordinates:  
 Lat/Northing: 564083.14 Long/Easting: 1115755.46

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 3.6' Leadline 3.3'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1 | Attempt 2 | Attempt 3 |
|----------------------------------------------------|-----------|-----------|-----------|
| Time:                                              | 12:54     | 13:24     | 13:45     |
| (A) Measured Water Depth                           | 3.3'      | 3.6'      | 3.7'      |
| (B) Tide Height                                    | 2.4'      | 2.6'      | 2.7'      |
| (C) Mudline Elevation                              | -0.9'     | -1.0'     | -1.0'     |
| (-A+B = C include sign of tide height as reported) |           |           |           |
| Estimated Penetration                              | 5.1'      | 6.4'      | 6.3'      |
| Description of Sample/Core Drive                   | reject    | keep      | reject    |
| Refusal Encountered?                               | yes       | yes       | yes       |
| Total Core Length                                  | 4.3'      | 5.75'     | 5.23'     |

## Sample Characteristics

|                          |                                                               |                                                               |                                                               |
|--------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        | cobble, gravel, sand C M F , silt clay, organic matter        |
| Sediment Color           | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     | gray, black, brown brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                               |                                                               |                                                               |

Comments: Attempt 2: 564087.08 1115767.74 ✓  
 3: 564089.53 1115756.38  
 mix of hard dry fine sands, shell hash, rock & woody debris in rejected cores

Recorded by: Len n Delunty

# Sediment Core Log

Project: Poff Tensen's Marling R.I.

Date: 3.22.2023

Core ID: SED-27

Core Pushed By: Gravity

Attempt No. 2

Core Logged By: R. Jones

Water Depth/Elevation of Core

Type of Core VIBRA-CORE

Cored Length (feet; from log) 6.4

Diameter of Core (inches) 4-INCHES

Core Recovery (feet) 5.75 (6.1)

Core Quality ☐ Good ☒ Fair ☐ Poor ☐ Disturbed

Average % Compaction = 11% FLUFF IS COMPACTION

| Theoretical<br>Depth<br>in<br>( )<br>Actual<br>Core Sections | Sample<br>Interval<br>Sample<br>Time | Sample<br>Analytes<br>Bottle<br>Count    | SEDIMENT DESCRIPTION (USCS)                                                                                                           |
|--------------------------------------------------------------|--------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 0                                                            | 0-1'<br>1324                         | 1 x 16oz poly<br>See<br>Custody<br>Chain | 0-1.3' SAND, vfg-fg, minor SILTS, saturated,<br>dk gray-black, loose, some SHELLS                                                     |
| 1                                                            | 1-3'<br>1324                         | 2 x 4oz AG<br>2 x 9oz                    | 1.3-6.1' SAND, fg-mld, saturated, dk greenish gray,<br>abundant SHELLS (break easily)<br>some WOOD in various states of decomposition |
| 2                                                            |                                      | 2 x 4oz AG<br>4 x 9oz                    | by 1.8' well-drained SAND, firm                                                                                                       |
| 3                                                            | 3-5'<br>1324                         | 2 x 4oz AG<br>2 x 9oz                    |                                                                                                                                       |
| 4                                                            |                                      |                                          |                                                                                                                                       |
| 5                                                            | 5-6'<br>1324                         | 2 x 4oz AG<br>2 x 9oz                    |                                                                                                                                       |
| 6                                                            |                                      |                                          | discard very bottom 1-2" due to potential<br>cross-contamination w/ core removal tooling                                              |

# Sample Collection Log

Station ID: SED-016 Date: 3/20/23

Project ID: POFH Jensen's Marina

Coordinates:  
Lat/Northing: \_\_\_\_\_ Long/Easting: \_\_\_\_\_

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 36.3' Leadline 36.3'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1               | Attempt 2 | Attempt 3 |
|----------------------------------------------------|-------------------------|-----------|-----------|
| Time:                                              | <u>14:43</u>            |           |           |
| (A) Measured Water Depth                           | <u>36.3'</u>            |           |           |
| (B) Tide Height                                    | <u>6.5'</u>             |           |           |
| (C) Mudline Elevation                              | <u>-29.8'</u>           |           |           |
| (-A+B = C include sign of tide height as reported) |                         |           |           |
| Estimated Penetration                              | <u>22 cm</u>            |           |           |
| Description of Sample/Core Drive                   | <u>Silty sands/clay</u> |           |           |
| Refusal Encountered?                               |                         |           |           |
| Total Core Length                                  |                         |           |           |

## Sample Characteristics

|                          |                                                                      |                                                                  |                                                                  |
|--------------------------|----------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F ,<br><u>silt clay, organic matter</u>     | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color           | <u>gray, black, brown</u><br>brown surface, <u>olivine</u>           | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, strong<br><u>H<sub>2</sub>S</u> petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                                      |                                                                  |                                                                  |
| Comments:                | <u>Steel plate in jaws of grab</u>                                   |                                                                  |                                                                  |

Recorded by: Leon M. Delwiche

# Sample Collection Log

Station ID: SED-03 G Date: 3/20/23

Project ID: Poff Jensen 3 Sons Marina

Coordinates:  
 Lat/Northing: 564445.13 Long/Easting: 1115848.64

Vertical Datum: MLLW MLW Other:

Depth Measurement: Sounder 20.0' Leadline 19.5'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1                | Attempt 2                              | Attempt 3 |
|----------------------------------------------------|--------------------------|----------------------------------------|-----------|
| Time:                                              | 13:09                    | 13:15                                  |           |
| (A) Measured Water Depth                           | 19.5'                    | 19.5'                                  |           |
| (B) Tide Height                                    | 5.4'                     | 5.4'                                   |           |
| (C) Mudline Elevation                              | -14.1'                   | -14.1'                                 |           |
| (-A+B = C include sign of tide height as reported) |                          |                                        |           |
| Estimated Penetration                              | —                        | 20 cm                                  |           |
| Description of Sample/Core Drive                   | wash<br>kws didn't close | fine silt & clay<br>large comb in grab |           |
| Refusal Encountered?                               |                          |                                        |           |
| Total Core Length                                  |                          |                                        |           |

## Sample Characteristics

|                             |                                                                  |                                                                            |                                                                  |
|-----------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type               | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br><del>silt clay</del> organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color              | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, <del>olivine</del>                    | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor               | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br><del>H<sub>2</sub>S</del> , petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering<br>Homogeneous |                                                                  |                                                                            |                                                                  |

Comments: large comb in second attempt large slab of wood  
at depth 3-4cm depth, some broken shell

Recorded by: Carla M Delwiche

# Sample Collection Log

Station ID: STA-056 Date: 3/20/23

Project ID: POFH

Coordinates:  
Lat/Northing: 564284.96 Long/Easting: 1115797.99

Vertical Datum: MLLW MLW Other: 8.9'

Depth Measurement: Sounder 8.9' Leadline 8.9'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1                                                           | Attempt 2 | Attempt 3 |
|----------------------------------------------------|---------------------------------------------------------------------|-----------|-----------|
| Time:                                              | <u>13:10</u>                                                        |           |           |
| (A) Measured Water Depth                           | <u>8.9'</u>                                                         |           |           |
| (B) Tide Height                                    | <u>3.9'</u>                                                         |           |           |
| (C) Mudline Elevation                              | <u>-3.0'</u>                                                        |           |           |
| (-A+B = C include sign of tide height as reported) |                                                                     |           |           |
| Estimated Penetration                              | <u>30 cm</u>                                                        |           |           |
| Description of Sample/Core Drive                   | <u>Fine silt &amp; mud clay<br/>olivine &amp; brown<br/>surface</u> |           |           |
| Refusal Encountered?                               |                                                                     |           |           |
| Total Core Length                                  |                                                                     |           |           |

## Sample Characteristics

|                             |                                                                               |                                                                  |                                                                  |
|-----------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type               | cobble, gravel, sand C M F ,<br><u>silt clay</u> , organic matter             | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color              | <u>gray</u> , black, brown<br>brown surface, <u>olivine</u>                   | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor               | None, slight, mod, <u>strong</u><br><u>H<sub>2</sub>S</u> , petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering<br>Homogeneous |                                                                               |                                                                  |                                                                  |
| Comments:                   | <u>chunks of wood just <del>at</del> below surface</u>                        |                                                                  |                                                                  |

Recorded by: Leon M. Deluke

# Sample Collection Log

Station ID: SED-07 Date: 3/20/23

Project ID: POFH Jensen's Sons Marina 08110

Coordinates: Lat/Northing: 564117.13 Long/Easting: 1115472.74

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 7.5 Leadline 7.4

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1                                      | Attempt 2 (4)                                       | Attempt 3 (5)                       |
|----------------------------------------------------|------------------------------------------------|-----------------------------------------------------|-------------------------------------|
| Time:                                              | <u>08:10</u>                                   | <u>08:34</u>                                        | <u>08:57</u>                        |
| (A) Measured Water Depth                           | <u>7.4</u>                                     | <u>7.4</u>                                          | <u>7.4</u>                          |
| (B) Tide Height                                    | <u>6.8</u>                                     | <u>6.8</u>                                          | <u>6.8</u>                          |
| (C) Mudline Elevation                              | <u>-0.6'</u>                                   | <u>-0.6'</u>                                        | <u>-0.6'</u>                        |
| (-A+B = C include sign of tide height as reported) |                                                |                                                     |                                     |
| Estimated Penetration                              | <u>10 cm</u>                                   | <u>10 cm</u>                                        | <u>10 cm</u>                        |
| Description of Sample/Core Drive                   | <u>mix of gravel and fine sed's on surface</u> | <u>cobbles in gray mix of gravel and fine sed's</u> | <u>mix of gravel and fine sed's</u> |
| Refusal Encountered?                               | <u>-</u>                                       | <u>-</u>                                            | <u>-</u>                            |
| Total Core Length                                  | <u>-</u>                                       | <u>-</u>                                            | <u>-</u>                            |

## Sample Characteristics

|                          |                                                                       |                                                                       |                                                                                |
|--------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Sediment Type            | cobble, <u>gravel</u> , sand C M F, <u>silt clay</u> , organic matter | cobble, <u>gravel</u> , sand C M F, <u>silt clay</u> , organic matter | cobble, <u>gravel</u> , sand C M F, <u>silt clay</u> , organic matter          |
| Sediment Color           | gray, <u>black</u> , brown brown surface, <u>olivine</u>              | gray, <u>black</u> , brown brown surface, <u>olivine</u>              | gray, <u>black</u> , brown brown surface, <u>olivine</u>                       |
| Sediment Odor            | None, slight, mod, strong <u>H<sub>2</sub>S</u> , petroleum, septic   | None, slight, mod, strong <u>H<sub>2</sub>S</u> , petroleum, septic   | None, slight, mod, strong <u>H<sub>2</sub>S</u> , petroleum, septic <u>gas</u> |
| Any Layering Homogeneous |                                                                       |                                                                       |                                                                                |

## Comments:

Recorded by: Ken M. Delucchi

# Sample Collection Log

Station ID: SED-11-G Date: 3/20/23

Project ID: PoFH Jensen's Sons Marina

Coordinates:  
 Lat/Northing: 564639.02 Long/Easting: 1115723.28

Vertical Datum: MLLW MLW Other:

Depth Measurement: Sounder Leadline 4.8'

Project Depth: Overdredge

|                                                    | Attempt 1                                      | Attempt 2 | Attempt 3                                           |
|----------------------------------------------------|------------------------------------------------|-----------|-----------------------------------------------------|
| Time:                                              | 09:24                                          | 09:40     | 09:45                                               |
| (A) Measured Water Depth                           | 4.8'                                           | 4.8'      | 4.8'                                                |
| (B) Tide Height                                    | 5.7'                                           | 5.7'      | 5.7'                                                |
| (C) Mudline Elevation                              | 0.9'                                           | 0.9'      | 0.9'                                                |
| (-A+B = C include sign of tide height as reported) |                                                |           |                                                     |
| Estimated Penetration                              | 12cm                                           | 10cm      | 10cm                                                |
| Description of Sample/Core Drive                   | fine sands and fine seeds some shell hash/wood | wash      | fine sands and silts shell hash piece of fiberglass |
| Refusal Encountered?                               |                                                |           |                                                     |
| Total Core Length                                  |                                                |           |                                                     |

## Sample Characteristics

|                          |                                                               |                                                               |                                                               |
|--------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F, silt clay, organic matter         | cobble, gravel, sand C M F, silt clay, organic matter         | cobble, gravel, sand C M F, silt clay, organic matter pebbles |
| Sediment Color           | gray, black, brown brown surface, olive                       | gray, black, brown brown surface, olive                       | gray, black, brown brown surface, olive                       |
| Sediment Odor            | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                               |                                                               |                                                               |

Comments: small chunks of woody debris in grab patches of H<sub>2</sub>S seeds piece of fiberglass in 3rd grab

Recorded by: Leon M. Delwiche

# Sample Collection Log

Station ID: SED-14-G Date: 3/20/23

Project ID: \_\_\_\_\_

Coordinates: Lat/Northing: 564165.80 Long/Easting: 1115715.50

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 8.0' Leadline 8.0'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1                                          | Attempt 2 | Attempt 3 |
|----------------------------------------------------|----------------------------------------------------|-----------|-----------|
| Time:                                              | <u>10:11</u>                                       |           |           |
| (A) Measured Water Depth                           | <u>8.0'</u>                                        |           |           |
| (B) Tide Height                                    | <u>5.0'</u>                                        |           |           |
| (C) Mudline Elevation                              | <u>-3.0'</u>                                       |           |           |
| (-A+B = C include sign of tide height as reported) |                                                    |           |           |
| Estimated Penetration                              | <u>22cm</u>                                        |           |           |
| Description of Sample/Core Drive                   | <u>fine s. lts and clay comb and sand lance or</u> |           |           |
| Refusal Encountered?                               |                                                    |           |           |
| Total Core Length                                  |                                                    |           |           |

## Sample Characteristics

|                             |                                                                        |                                                                  |                                                                  |
|-----------------------------|------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type               | cobble, gravel, sand C M F ,<br><u>silt clay, organic matter</u>       | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color              | <u>gray</u> , black, brown<br>brown surface, <u>olivine</u>            | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor               | None, slight, mod, strong<br><u>H<sub>2</sub>S</u> , petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering<br>Homogeneous |                                                                        |                                                                  |                                                                  |
| Comments:                   | <u>small fish or grab &amp; small comb</u>                             |                                                                  |                                                                  |

Recorded by: Cron M Delwiche

# Sample Collection Log

Station ID: SED-15-G Date: 3/20/23

Project ID: PoFH Jensen's Sons Marina

Coordinates: Lat/Northing: 564157.24 Long/Easting: 1115608.22

Vertical Datum: MLLW MLW Other:

Depth Measurement: Sounder 8.0' Leadline 8.0'

Project Depth:                      Overdredge                     

|                                                    | Attempt 1                                                             | Attempt 2 | Attempt 3 |
|----------------------------------------------------|-----------------------------------------------------------------------|-----------|-----------|
| Time:                                              | <u>10.42</u>                                                          |           |           |
| (A) Measured Water Depth                           | <u>8.0'</u>                                                           |           |           |
| (B) Tide Height                                    | <u>4.8'</u>                                                           |           |           |
| (C) Mudline Elevation                              | <u>-3.2'</u>                                                          |           |           |
| (-A+B = C include sign of tide height as reported) |                                                                       |           |           |
| Estimated Penetration                              | <u>16 cm</u>                                                          |           |           |
| Description of Sample/Core Drive                   | <u>fine silts &amp; clay<br/>some some white<br/>hair-like fibers</u> |           |           |
| Refusal Encountered?                               |                                                                       |           |           |
| Total Core Length                                  |                                                                       |           |           |

## Sample Characteristics

|                                                                                     |                                                                               |                                                                  |                                                                  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type                                                                       | cobble, gravel, sand C M F ,<br><u>silt</u> clay, organic matter              | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color                                                                      | <u>gray</u> , black, brown<br>brown surface, <u>olivine</u>                   | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor                                                                       | None, slight, mod, <u>strong</u><br><u>H<sub>2</sub>S</u> , petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous                                                            |                                                                               |                                                                  |                                                                  |
| Comments: <u>hairlike fibers throughout sediment matrix about 3cm below surface</u> |                                                                               |                                                                  |                                                                  |

Recorded by: Lea M Delwiche

# Sample Collection Log

Station ID: SED-18G Date: 3/20/23

Project ID: POFH Jensen's Sons Marina

Coordinates:  
Lat/Northing: 564578.40 Long/Easting: 1115698.53

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 34.5' Leadline 34.4'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1                   | Attempt 2 | Attempt 3 |
|----------------------------------------------------|-----------------------------|-----------|-----------|
| Time:                                              | <u>14:08</u>                |           |           |
| (A) Measured Water Depth                           | <u>34.4'</u>                |           |           |
| (B) Tide Height                                    | <u>6.1</u>                  |           |           |
| (C) Mudline Elevation                              | <u>-28.3'</u>               |           |           |
| (-A+B = C include sign of tide height as reported) |                             |           |           |
| Estimated Penetration                              | <u>31 cm</u>                |           |           |
| Description of Sample/Core Drive                   | <u>fine silt &amp; clay</u> |           |           |
| Refusal Encountered?                               |                             |           |           |
| Total Core Length                                  |                             |           |           |

## Sample Characteristics

|                          |                                                                               |                                                                  |                                                                  |
|--------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F ,<br><u>silt clay</u> , organic matter             | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color           | <u>gray</u> , black, brown<br>brown surface, <u>olivine</u>                   | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, <u>strong</u><br><u>H<sub>2</sub>S</u> , petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                                               |                                                                  |                                                                  |

Comments:

Recorded by: Leann M Delwiche

# Sample Collection Log

Station ID: SED-196 Date: 3/20/23

Project ID: POFH

Coordinates:  
Lat/Northing: 564619.26 Long/Easting: 1115817.13

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 39.6' Leadline 39.6

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1         | Attempt 2 | Attempt 3 |
|----------------------------------------------------|-------------------|-----------|-----------|
| Time:                                              | 14:27             |           |           |
| (A) Measured Water Depth                           | 39.6'             |           |           |
| (B) Tide Height                                    | 5.4'              |           |           |
| (C) Mudline Elevation                              | -34.2'            |           |           |
| (-A+B = C include sign of tide height as reported) |                   |           |           |
| Estimated Penetration                              | 27 cm             |           |           |
| Description of Sample/Core Drive                   | fine silts & clay |           |           |
| Refusal Encountered?                               |                   |           |           |
| Total Core Length                                  |                   |           |           |

## Sample Characteristics

|                          |                                                                               |                                                                  |                                                                  |
|--------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F ,<br><u>silt clay</u> , organic matter             | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color           | <u>gray</u> , black, brown<br>brown surface, <u>olivine</u>                   | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, <u>strong</u><br><u>H<sub>2</sub>S</u> , petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                                               |                                                                  |                                                                  |
| Comments:                |                                                                               |                                                                  |                                                                  |

Recorded by: Leon M Delwiche

# Sample Collection Log

Station ID: SED-206 Date: 3/20/23

Project ID: POFH

Coordinates:  
Lat/Northing: 564473.99 Long/Easting: 1115911.80

Vertical Datum: (MLLW) MLW Other: \_\_\_\_\_

Depth Measurement: Sounder Leadline 21.1'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1                                       | Attempt 2 | Attempt 3 |
|----------------------------------------------------|-------------------------------------------------|-----------|-----------|
| Time:                                              | <u>13:38</u>                                    |           |           |
| (A) Measured Water Depth                           | <u>21.1'</u>                                    |           |           |
| (B) Tide Height                                    | <u>5.7'</u>                                     |           |           |
| (C) Mudline Elevation                              | <u>-15.4'</u>                                   |           |           |
| (-A+B = C include sign of tide height as reported) |                                                 |           |           |
| Estimated Penetration                              | <u>31.0cm</u>                                   |           |           |
| Description of Sample/Core Drive                   | <u>fine silty sands<br/>some shell<br/>high</u> |           |           |
| Refusal Encountered?                               |                                                 |           |           |
| Total Core Length                                  |                                                 |           |           |

## Sample Characteristics

|                             |                                                                                |                                                                  |                                                                  |
|-----------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type               | cobble, gravel, sand C M F ,<br><u>silt clay, organic matter</u>               | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color              | <u>gray</u> , black, brown<br>brown surface, <u>olivine</u>                    | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor               | <u>None</u> , slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic       | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering<br>Homogeneous |                                                                                |                                                                  |                                                                  |
| Comments:                   | <u>various macro fauna shrimp, fish, 96.5+ shrimp<br/>at depth<br/>w. eggs</u> |                                                                  |                                                                  |

Recorded by: Leann M Delawiche

# Sample Collection Log

Station ID: SED-216 Date: 3/20/23

Project ID: \_\_\_\_\_

Coordinates: Lat/Northing: 564362.66 Long/Easting: 1115750.26

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 10.9' Leadline 10.9'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1                                                | Attempt 2 | Attempt 3 |
|----------------------------------------------------|----------------------------------------------------------|-----------|-----------|
| Time:                                              | <u>12:16</u>                                             |           |           |
| (A) Measured Water Depth                           | <u>10.9'</u>                                             |           |           |
| (B) Tide Height                                    | <u>5.0'</u>                                              |           |           |
| (C) Mudline Elevation                              |                                                          |           |           |
| (-A+B = C include sign of tide height as reported) |                                                          |           |           |
| Estimated Penetration                              | <u>31 cm</u>                                             |           |           |
| Description of Sample/Core Drive                   | <u>fine silt + clay<br/>some organics<br/>on surface</u> |           |           |
| Refusal Encountered?                               |                                                          |           |           |
| Total Core Length                                  |                                                          |           |           |

## Sample Characteristics

|                                                                        |                                                                        |                                                                        |                                                                        |
|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Sediment Type                                                          | <u>cobble, gravel, sand C M F ,<br/>silt clay, organic matter</u>      | <u>cobble, gravel, sand C M F ,<br/>silt clay, organic matter</u>      | <u>cobble, gravel, sand C M F ,<br/>silt clay, organic matter</u>      |
| Sediment Color                                                         | <u>gray, black, brown<br/>brown surface, olivine</u>                   | <u>gray, black, brown<br/>brown surface, olivine</u>                   | <u>gray, black, brown<br/>brown surface, olivine</u>                   |
| Sediment Odor                                                          | <u>None, slight, mod, strong<br/>H<sub>2</sub>S, petroleum, septic</u> | <u>None, slight, mod, strong<br/>H<sub>2</sub>S, petroleum, septic</u> | <u>None, slight, mod, strong<br/>H<sub>2</sub>S, petroleum, septic</u> |
| Any Layering<br>Homogeneous                                            |                                                                        |                                                                        |                                                                        |
| Comments: <u>few wood chunks at depth some broken shell<br/>pieces</u> |                                                                        |                                                                        |                                                                        |

Recorded by: Leah M Delwiche

# Sample Collection Log

Station ID: SED-226 Date: 3/20/23

Project ID: POFH Jensen & Sons Marina

Coordinates:  
Lat/Northing: 564368.66 Long/Easting: 1115889.89

Vertical Datum: MLLW MLW Other:

Depth Measurement: Sounder 9.7' Leadline 9.7'

Project Depth: Overdredge

|                                                    | Attempt 1                              | Attempt 2 | Attempt 3 |
|----------------------------------------------------|----------------------------------------|-----------|-----------|
| Time:                                              | 11:58                                  |           |           |
| (A) Measured Water Depth                           | 9.7'                                   |           |           |
| (B) Tide Height                                    | 5.0'                                   |           |           |
| (C) Mudline Elevation                              | -4.7'                                  |           |           |
| (-A+B = C include sign of tide height as reported) |                                        |           |           |
| Estimated Penetration                              | 32 cm                                  |           |           |
| Description of Sample/Core Drive                   | fine s. clay<br>organics on<br>surface |           |           |
| Refusal Encountered?                               |                                        |           |           |
| Total Core Length                                  |                                        |           |           |

## Sample Characteristics

|                             |                                                                  |                                                                  |                                                                  |
|-----------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type               | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color              | gray, black, brown<br>brown surface, olive                       | gray, black, brown<br>brown surface, olive                       | gray, black, brown<br>brown surface, olive                       |
| Sediment Odor               | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering<br>Homogeneous |                                                                  |                                                                  |                                                                  |

Comments:

Recorded by: Leah M Delwiche

# Sample Collection Log

Station ID: SFD-236 Date: 3/20/23

Project ID: POFH Jensen's Sons Marina

Coordinates:  
Lat/Northing: 564247.00 Long/Easting: 1115706.12

Vertical Datum: MLLW MLW Other: \_\_\_\_\_

Depth Measurement: Sounder 10.5' Leadline 10.6'

Project Depth: \_\_\_\_\_ Overdredge \_\_\_\_\_

|                                                    | Attempt 1        | Attempt 2 | Attempt 3 |
|----------------------------------------------------|------------------|-----------|-----------|
| Time:                                              | 11:42            |           |           |
| (A) Measured Water Depth                           | 10.6'            |           |           |
| (B) Tide Height                                    | 4.9'             |           |           |
| (C) Mudline Elevation                              |                  |           |           |
| (-A+B = C include sign of tide height as reported) |                  |           |           |
| Estimated Penetration                              | 29 cm            |           |           |
| Description of Sample/Core Drive                   | fine silt & clay |           |           |
| Refusal Encountered?                               |                  |           |           |
| Total Core Length                                  |                  |           |           |

## Sample Characteristics

|                             |                                                                  |                                                                  |                                                                  |
|-----------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type               | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color              | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor               | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering<br>Homogeneous |                                                                  |                                                                  |                                                                  |

Comments: some shell debris and large dead clam shell

Recorded by: Core M. Delwiche

# Sample Collection Log

Station ID: SED-24-G Date: 3/20/23

Project ID: POFH Jensen's Marina

Coordinates:  
Lat/Northing: 564231.95 Long/Easting: 1115841.34

Vertical Datum: MLLW MLW Other:

Depth Measurement: Sounder 9.0' Leadline 9.0'

Project Depth:                      Overdredge                     

|                                                    | Attempt 1                                                        | Attempt 2 | Attempt 3 |
|----------------------------------------------------|------------------------------------------------------------------|-----------|-----------|
| Time:                                              | <u>11:06</u>                                                     |           |           |
| (A) Measured Water Depth                           | <u>9.0'</u>                                                      |           |           |
| (B) Tide Height                                    | <u>4.8'</u>                                                      |           |           |
| (C) Mudline Elevation                              | <u>-4.2'</u>                                                     |           |           |
| (-A+B = C include sign of tide height as reported) |                                                                  |           |           |
| Estimated Penetration                              | <u>29 cm</u>                                                     |           |           |
| Description of Sample/Core Drive                   | <u>fine silt &amp; clay<br/>some small boulders<br/>at depth</u> |           |           |
| Refusal Encountered?                               |                                                                  |           |           |
| Total Core Length                                  |                                                                  |           |           |

## Sample Characteristics

|                             |                                                                               |                                                                  |                                                                  |
|-----------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type               | cobble, gravel, sand C M F ,<br><u>silt clay, organic matter</u>              | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color              | <u>gray</u> , black, brown<br>brown surface, <u>olivine</u>                   | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor               | None, slight, mod, <u>strong</u><br><u>H<sub>2</sub>S</u> , petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering<br>Homogeneous |                                                                               |                                                                  |                                                                  |

Comments: some organics on surface - strong H<sub>2</sub>S

Recorded by: Leann M Delwiche

# Sample Collection Log

Station ID: SED-276 Date: 3/23/23

Project ID: POFH Jensen & Sons Marine

Coordinates:  
Lat/Northing: 364084.80 Long/Easting: 1115752.80

Vertical Datum: MLW MLW Other:

Depth Measurement: Sounder 5.6' Leadline 5.3'

Project Depth: Overdredge

|                                                    | Attempt 1        | Attempt 2 | Attempt 3 |
|----------------------------------------------------|------------------|-----------|-----------|
| Time:                                              | 10:17            |           |           |
| (A) Measured Water Depth                           | 5.3              |           |           |
| (B) Tide Height                                    | 4.2              |           |           |
| (C) Mudline Elevation                              | -1.1             |           |           |
| (-A+B = C include sign of tide height as reported) |                  |           |           |
| Estimated Penetration                              | 12 cm            |           |           |
| Description of Sample/Core Drive                   | fine silt + clay |           |           |
| Refusal Encountered?                               |                  |           |           |
| Total Core Length                                  |                  |           |           |

## Sample Characteristics

|                          |                                                                  |                                                                  |                                                                  |
|--------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Sediment Type            | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        | cobble, gravel, sand C M F ,<br>silt clay, organic matter        |
| Sediment Color           | dark<br>gray, black, brown<br>brown surface, olivine             | gray, black, brown<br>brown surface, olivine                     | gray, black, brown<br>brown surface, olivine                     |
| Sediment Odor            | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic | None, slight, mod, strong<br>H <sub>2</sub> S, petroleum, septic |
| Any Layering Homogeneous |                                                                  |                                                                  |                                                                  |

Comments: some organics broken shell

Recorded by: Leon M Delwiche

303373

## SAMPLE CHAIN OF CUSTODY 03/23/23

H5

Page # 1 of 4

Report To R. Leon / R. Jones / G. Hainsworth  
 Company Leon Environmental / CRETE  
 Address \_\_\_\_\_  
 City, State, ZIP \_\_\_\_\_  
 Phone 832.330.1359 Email \_\_\_\_\_

## SAMPLERS (signature)

Rusty Jones R. Jones

## PROJECT NAME

Port of Friday Harbor (Poff)  
Jensen's Marina

PO #

## REMARKS

Archive for DIF  
Archive for SMS Pesticides (L-9)  
Project specific RLs? - Yes / No

## INVOICE TO

Leon Environmental  
(L-9)

## TURNAROUND TIME

☒ Standard turnaround☐ RUSH

Rush charges authorized by: \_\_\_\_\_

## SAMPLE DISPOSAL

☒ Archive samples☐ Other

Default: Dispose after 30 days

|              |        |              |              |             |           | ANALYSES REQUESTED     |                             |                  |                               |               |               |                      |            |                   |                |                         |                                 |  |  | * logged in under SD# 303333 NE |
|--------------|--------|--------------|--------------|-------------|-----------|------------------------|-----------------------------|------------------|-------------------------------|---------------|---------------|----------------------|------------|-------------------|----------------|-------------------------|---------------------------------|--|--|---------------------------------|
| Sample ID    | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | Ammonia<br>NWTPH-D3-RS | Total Sulfide<br>NWTPH-G3-X | BTEX EPA 8021-RS | DICHS/EUKANS<br>NWTPH-HCID-RS | VOCs EPA 8260 | PAHs EPA 8270 | TEH<br>PCBs EPA 8092 | Grain Size | TOC, Total Solids | SMS Metals, Hg | SMS SVOCs, PCBs + Pest. | Notes                           |  |  |                                 |
| SED-07G:0-10 | 01 A-F | 3/20/23      | 1002         | SOLIDS      | 8 (6)     |                        |                             |                  |                               |               |               |                      | (X)        | (X)               | (X)            | (X)                     | +1 SVOCs only bioassay bag      |  |  |                                 |
| SED-11G:0-10 | 02     |              | 0924         |             | 8 (6)     |                        |                             |                  |                               |               |               |                      | (X)        | (X)               | (X)            | (X)                     | AN SVOCs, PCBs +1 bioassay bag  |  |  |                                 |
| SED-14G:0-10 | 03 A-I |              | 1011         |             | 8 (6)     |                        |                             |                  |                               |               |               | (X)                  | (X)        | (X)               | (X)            | (X)                     | All SVOCs, PCBs +1 bioassay bag |  |  |                                 |
| SED-15G:0-10 | 04 A-C |              | 1042         |             | 3 (4)     |                        |                             |                  |                               |               |               | (X)                  | (X)        | (X)               |                |                         | +1 bioassay bag                 |  |  |                                 |
| SED-24G:0-10 | 05     |              | 1106         |             | 3 (4)     |                        |                             |                  |                               |               |               |                      | X          | X                 |                | X                       | BAS PCBs + Pest. only           |  |  |                                 |
| SED-23G:0-10 | 06     |              | 1142         |             | 3 (4)     |                        |                             |                  |                               |               |               |                      | X          | X                 |                | X                       | SMS PCBs + Pest. only           |  |  |                                 |
| SED-22G:0-10 | 07     |              | 1158         |             | 3 (4)     |                        |                             |                  |                               |               |               |                      | X          | X                 |                | X                       | No SMS SVOCs, PCBs              |  |  |                                 |
| SED-21G:0-10 | 08     |              | 1216         |             | 3 (4)     |                        |                             |                  |                               |               |               |                      | X          | X                 |                | X                       | No SMS, SVOCs, PCBs             |  |  |                                 |
| SED-03G:0-10 | 09 A-D |              | 1315         |             | 4 (6)     |                        |                             |                  |                               |               |               |                      | (X)        | (X)               |                | (X)                     | SVOCs + Pest +1 bioassay bag    |  |  |                                 |
| SED-20G:0-10 | 10 A-C | ✓            | 1338         | ✓           | 4 (6)     |                        |                             |                  |                               |               |               |                      |            |                   |                | X                       | No SMS SVOCs, PCBs              |  |  |                                 |

Samples received at 2:00 PM

Friedman & Bruya, Inc.  
 Ph. (206) 285-8282

Samples received at 2:00 PM

| SIGNATURE                             | PRINT NAME            | COMPANY          | DATE           | TIME        |
|---------------------------------------|-----------------------|------------------|----------------|-------------|
| Relinquished by: <u>R. Jones</u>      | <u>Rusty Jones</u>    | <u>CRETE</u>     | <u>3/23/23</u> | <u>2:00</u> |
| Received by: <u>Presian Martin</u>    | <u>Presian Martin</u> | <u>Newfields</u> | <u>3/23/23</u> | <u>0500</u> |
| Relinquished by: <u>Dee Dee Weber</u> | <u>Dee Dee Weber</u>  | <u>Newfields</u> | <u>3/23/23</u> | <u>1200</u> |
| Received by: <u>Dee Dee Weber</u>     | <u>Dee Dee Weber</u>  | <u>F+BI</u>      | <u>3/23/23</u> | <u>1200</u> |

3033 73

## SAMPLE CHAIN OF CUSTODY

03/23/23

H5

Page # 2 of 4

Report To

Company

Address

City, State, ZIP

Phone 852.330.1359 Email

Leon Jones Hainsworth  
L-E CRETE

SAMPLERS (signature)

Rusty Jones R. Jones

PROJECT NAME

PO #

PoFH Jensen's Marina

REMARKS

Archive for D/F, SMS Rest. (1649),

others  
Project specific RLs? - Yes / No

INVOICE TO

L-E

TURNAROUND TIME

☒ Standard turnaround☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☒ Archive samples☐ Other

Default: Dispose after 30 days

## ANALYSES REQUESTED

| Sample ID    | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | Ammonia<br>NWTPH-Dx-8 | Total Solids<br>NWTPH-Gx-8 | PH<br>NWTPH-HC12 | BTX EPA 8021 | DIOXIN/FURANS<br>NWTPH-HC12 | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | Grain Size | TOC, Total Solids | SMS Metals Hg | SMS SVOCs, Pests<br>SMS PCBs + Pests | Notes                         |
|--------------|--------|--------------|--------------|-------------|-----------|-----------------------|----------------------------|------------------|--------------|-----------------------------|---------------|---------------|---------------|------------|-------------------|---------------|--------------------------------------|-------------------------------|
| SED-18G:0-10 | 11 A-C | 3/20/23      | 1408         | SOLIDS      | 3         |                       |                            |                  |              |                             |               |               |               | X          | X                 |               | X                                    | No SVOCs OR PCBs              |
| SED-19G:0-10 | 12 A-D |              | 1427         |             | 5         |                       |                            |                  |              |                             |               |               |               | X          | X                 |               | X                                    | No SVOCs OR PCBs              |
| SED-01G:0-10 | 13 A-F | ✓            | 1445         | ✓           | 8         |                       |                            |                  |              |                             |               |               |               | ⊗          | ⊗                 |               | ⊗                                    | Pest only<br>+ 1 bioassay bag |
| SED-01C:0-1  | 14     | 3/21/23      | 1151         | SOLIDS      | 6         |                       |                            |                  |              |                             |               |               |               | X          | X                 |               | X                                    | SMS Pest: only                |
| SED-01C:1-3  | 15 A-B |              | 1151         |             | 2         |                       |                            |                  |              |                             |               |               |               |            |                   |               |                                      | ARCHIVE ALL                   |
| SED-01C:3-5  | 16     |              | 1151         |             | 2         |                       |                            |                  |              |                             |               |               |               |            |                   |               |                                      | ↓ ↓                           |
| SED-01C:5-7  | 17     |              | 1151         |             | 2         |                       |                            |                  |              |                             |               |               |               |            |                   |               |                                      | ↓ ↓                           |
| SED-05C:0-1  | 19 A-F |              | 1244         |             | 6         |                       |                            |                  |              |                             |               |               |               | X          | X                 |               | X                                    | No PCBs                       |
| SED-05C:1-3  | 19 A-B |              | 1244         |             | 2         |                       |                            |                  |              |                             |               |               |               |            |                   |               |                                      | ARCHIVE ALL                   |
| SED-05C:3-5  | 20     | ✓            | 1244         | ✓           | 2         |                       |                            |                  |              |                             |               |               |               |            |                   |               |                                      | ✓ ✓                           |

Samples received at 200

Friedman & Bruya, Inc.  
Ph. (206) 285-8282

| SIGNATURE                    | PRINT NAME    | COMPANY    | DATE    | TIME |
|------------------------------|---------------|------------|---------|------|
| Relinquished by: R. Jones    | Rusty Jones   | CRETE      | 3/22/23 | 2100 |
| Received by: [Signature]     | Presen Martin | New Fields | 3/22/23 | 0500 |
| Relinquished by: [Signature] | Presen Martin | New Fields | 3/23/23 | 1200 |
| Received by: DeDee Webb      | DeDee Webb    | F+BI       | 3/23/23 | 1200 |

303373

Report To Leon Jones / HainsworthCompany L-E CRETE

Address \_\_\_\_\_

City, State, ZIP \_\_\_\_\_

Phone 852.330.1399 Email \_\_\_\_\_

## SAMPLE CHAIN OF CUSTODY

03/23/23

H5

Page # 3 of 4

SAMPLERS (signature)

Rusty Jones R. Jones

PROJECT NAME

POH Jensen's Marina

PO #

REMARKS

Archive for D/F SMS Post 1/6/23, others

INVOICE TO

L-E

Project specific RLs? - Yes / No

## TURNAROUND TIME

☒ Standard turnaround☐ RUSH

Rush charges authorized by: \_\_\_\_\_

## SAMPLE DISPOSAL

☒ Archive samples☐ Other \_\_\_\_\_

Default: Dispose after 30 days

| Sample ID    | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED         |                            |                            |                            |                            |            |               |               |                                  |            |                  | Notes |                |                  |
|--------------|--------|--------------|--------------|-------------|-----------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|------------|---------------|---------------|----------------------------------|------------|------------------|-------|----------------|------------------|
|              |        |              |              |             |           | SMS SOLIDS<br>NWTPH DIX #1 | SMS SOLIDS<br>NWTPH DIX #2 | SMS SOLIDS<br>NWTPH DIX #3 | SMS SOLIDS<br>NWTPH DIX #4 | SMS SOLIDS<br>NWTPH DIX #5 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | SMS Metals, Hg<br>PCBs EPA 8060s | Grain Size | TOC Total/Solids |       | Dioxins/Furans | TBT              |
| SED-05C:5-7  | 21 A-B | 3/21/23      | 1244         | SOLIDS      | 2         |                            |                            |                            |                            |                            |            |               |               |                                  |            |                  |       |                | ARCHIVE ALL      |
| SED-05G:0-10 | 22 A-H |              | 1310         |             | 8         | (X)                        |                            | (X)                        |                            |                            |            | (X)           |               | (X)                              | (X)        |                  |       |                | +1 bioassay bag  |
| SED-03C:0-1  | 23 A-F |              | 1442         |             | 6         | X                          |                            | X                          |                            |                            |            |               |               | X                                | X          |                  |       |                |                  |
| SED-03C:1-3  | 24 A-B |              | 1442         |             | 2         |                            |                            |                            |                            |                            |            |               |               |                                  |            |                  |       |                | ARCHIVE ALL      |
| SED-03C:3-5  | 25     |              | 1442         |             | 2         |                            |                            |                            |                            |                            |            |               |               |                                  |            |                  |       |                | ↓ ↓              |
| SED-03C:5-7  | 26 ↓   |              | 1442         |             | 2         |                            |                            |                            |                            |                            |            |               |               |                                  |            |                  |       |                | ↓ ↓              |
| SED-14C:0-1  | 27 A-I |              | 1553         |             | 10        | X                          | X                          | X                          |                            |                            |            |               | X             | X                                | X          | X                | X     | X              | No D/F (Archive) |
| SED-14C:1-3  | 28 A-B |              | 1553         |             | 2         | X                          | X                          | X                          |                            |                            |            |               |               | X                                | X          | X                | X     | X              | No D/F (Archive) |
| SED-14C:3-5  | 29     |              | 1553         |             | 2         |                            |                            |                            |                            |                            |            |               |               |                                  |            |                  |       |                | ARCHIVE ALL      |
| SED-14G:5-7  | 30 A-B | ✓            | 1533         | ✓           | 2         |                            |                            |                            |                            |                            |            |               |               |                                  |            |                  |       |                | ↓ ↓              |

Friedman & Bruya, Inc.  
Ph. (206) 285-8282

| SIGNATURE                           | PRINT NAME            | COMPANY          | DATE           | TIME        |
|-------------------------------------|-----------------------|------------------|----------------|-------------|
| Relinquished by: <u>R. Jones</u>    | <u>Rusty Jones</u>    | <u>CRETE</u>     | <u>3/21/23</u> | <u>2100</u> |
| Received by: <u>[Signature]</u>     | <u>Preston Martin</u> | <u>NewFields</u> | <u>3/23/23</u> | <u>0500</u> |
| Relinquished by: <u>[Signature]</u> | <u>Preston Martin</u> | <u>NewFields</u> | <u>3/23/23</u> | <u>1200</u> |
| Received by: <u>DeeDee Webb</u>     | <u>DeeDee Webb</u>    | <u>F&amp;BI</u>  | <u>3/22/23</u> | <u>1200</u> |

Samples received at 2:00

303373

## SAMPLE CHAIN OF CUSTODY

03/23/23

HS HS

Report To

Leon Jones Hainsworth

Company

L-E/CRETE

Address

City, State, ZIP

Phone 852.330.1359

Email

SAMPLERS (signature)

Rusty Jones R Jones

PROJECT NAME

Po FH Jensen's Marina

PO #

REMARKS

Archive for DFE, SMS Post (10/19), others

INVOICE TO

L-E

Project specific RLs? - Yes / No

Page # 4 of 4

TURNAROUND TIME

☒ Standard turnaround☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☒ Archive samples☐ Other

Default: Dispose after 30 days

| Sample ID                 | Lab ID        | Date Sampled       | Time Sampled    | Sample Type  | # of Jars    | ANALYSES REQUESTED      |                          |                          |                          |             |               |               |                                |            |                   |                |     | Notes                    |
|---------------------------|---------------|--------------------|-----------------|--------------|--------------|-------------------------|--------------------------|--------------------------|--------------------------|-------------|---------------|---------------|--------------------------------|------------|-------------------|----------------|-----|--------------------------|
|                           |               |                    |                 |              |              | SMS SVCS<br>NWTTPH-DXIS | SMS PCBs<br>NWTTPH-GX-45 | SMS PCBs<br>NWTTPH-GX-45 | SMS PCBs<br>NWTTPH-GX-45 | NWTTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | SMS Metals Hg<br>PCBs EPA 8062 | Grain Size | TOC, Total Solids | Dioxins/Furans | TBT |                          |
| SED-DUPC                  | 30 31<br>A-I  | 3.21.2023          | 1200            | SOLIDS       | 8            | X                       | X                        | X                        |                          |             |               |               | X                              | X          | X                 |                | X   | Archive others           |
| SED-OTC:0-1               | 32 A-B        | 3.22.2023          | 0729            |              | 2            |                         |                          |                          |                          |             |               |               |                                |            |                   |                |     | Archive                  |
| SED-OTC:1-3               | 33            |                    | 0729            |              | 2            |                         |                          |                          |                          |             |               |               |                                |            |                   |                |     | Archive                  |
| SED-OTC:3-5               | 34 A-D        |                    | 0729            |              | 4            |                         |                          |                          |                          |             |               |               |                                |            |                   |                |     | Archive all              |
| SED-OTC:5-7               | 35 A-D        |                    | 0729            |              | 4            |                         |                          |                          |                          |             |               |               |                                |            |                   |                |     | Archive all              |
| <del>SED-DUPC:0-1-3</del> | <del>36</del> | <del>3/22/23</del> | <del>1200</del> | <del>1</del> | <del>2</del> |                         |                          |                          |                          |             |               |               |                                | X          |                   |                |     | <del>Added at Lab.</del> |
|                           |               |                    |                 |              |              |                         |                          |                          |                          |             |               |               |                                |            |                   |                |     | <del>UP 3/23/23</del>    |
|                           |               |                    |                 |              |              |                         |                          |                          |                          |             |               |               |                                |            |                   |                |     | <del>moved to</del>      |
|                           |               |                    |                 |              |              |                         |                          |                          |                          |             |               |               |                                |            |                   |                |     | SDG 30300MB              |
|                           |               |                    |                 |              |              |                         |                          |                          |                          |             |               |               |                                |            |                   |                |     | Samples received at 2 °C |

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Ph. (206) 285-8282

| SIGNATURE                       | PRINT NAME     | COMPANY   | DATE    | TIME |
|---------------------------------|----------------|-----------|---------|------|
| Relinquished by: Rusty Jones    | Rusty Jones    | CRETE     | 3/22/23 | 2100 |
| Received by: Preston Martin     | Preston Martin | NewFields | 3/23/23 | 0500 |
| Relinquished by: Preston Martin | Preston Martin | NewFields | 3/23/23 | 1200 |
| Received by: DeeDee Webber      | DeeDee Webber  | F+BI      | 3/23/23 | 1200 |

303388

## SAMPLE CHAIN OF CUSTODY 03/24/23 H3/H4

Report To Leon Jones/HainsworthCompany L-E/CRETE

Address \_\_\_\_\_

City, State, ZIP \_\_\_\_\_

Phone 832.330.1359 Email \_\_\_\_\_

SAMPLERS (signature)

Rusty Jones R. Jones

PROJECT NAME

Port of Friday Harbor  
Jensen's Marina

PO # \_\_\_\_\_

REMARKS

INVOICE TO

L-E

Project specific RLs? - Yes / No

Page # 1 of 4

TURNAROUND TIME

☒ Standard turnaround☐ RUSH

Rush charges authorized by: \_\_\_\_\_

SAMPLE DISPOSAL

☒ Archive samples☐ Other \_\_\_\_\_

Default: Dispose after 30 days

| Sample ID   | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED          |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             | Notes                                   |
|-------------|--------|--------------|--------------|-------------|-----------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------------------|
|             |        |              |              |             |           | DOX/LEAD/PAHs<br>NWTPH-HCID | DOX/LEAD/PAHs<br>NWTPH-HCID | DOX/LEAD/PAHs<br>NWTPH-HCID | DOX/LEAD/PAHs<br>NWTPH-HCID | DOX/LEAD/PAHs<br>NWTPH-HCID | DOX/LEAD/PAHs<br>NWTPH-HCID | DOX/LEAD/PAHs<br>NWTPH-HCID | DOX/LEAD/PAHs<br>NWTPH-HCID | DOX/LEAD/PAHs<br>NWTPH-HCID | DOX/LEAD/PAHs<br>NWTPH-HCID | DOX/LEAD/PAHs<br>NWTPH-HCID | DOX/LEAD/PAHs<br>NWTPH-HCID |                                         |
| SED-07C:0-1 | 01 A-F | 3/22/2023    | 0729         | SOLIDS      | 7         |                             | X                           |                             |                             |                             |                             |                             |                             | X                           | X                           |                             | X                           | sms svocs only<br>D/F Archive           |
| SED-07C:1-3 | 02 A-L |              | 0729         |             | 3         |                             | X                           |                             |                             |                             |                             |                             |                             | X                           | X                           |                             |                             |                                         |
| SED-08C:0-1 | 03 A-I |              | 0807         |             | 9         | X                           | X                           |                             |                             |                             |                             |                             |                             | X                           | X                           |                             | (X)                         | per Appendix ne                         |
| SED-08C:1-3 | 04 A-G |              | 0807         |             | 7         |                             | X                           |                             |                             |                             |                             |                             |                             | X                           | X                           |                             | *                           | Hold sms svocs, etc, not<br>D/F Archive |
| SED-08C:3-5 | 05 A-D |              | 0807         |             | 4         |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             | Archive All<br>D/F Archive              |
| SED-08C:5-7 | 06 A-D |              | 0807         |             | 4         |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             | Archive All<br>D/F Archive              |
| SED-09C:0-1 | 07 A-H |              | 0833         |             | 8         | X                           | X                           |                             |                             |                             |                             |                             |                             | X                           | X                           | X                           | X                           |                                         |
| SED-09C:1-3 | 08 A-J |              | 0833         |             | 8         | X                           | X                           |                             |                             |                             |                             |                             |                             | X                           | X                           | X                           | X                           |                                         |
| SED-09C:3-5 | 09 A-D |              | 0833         |             | 4         |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             | Archive All<br>D/F Archive              |
| SED-09C:5-7 | 10 A-D | ✓            | 0833         | ✓           | 4         |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             |                             | Archive All<br>D/F Archive              |

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Ph. (206) 285-8282

| SIGNATURE                        | PRINT NAME         | COMPANY                         | DATE           | TIME        |
|----------------------------------|--------------------|---------------------------------|----------------|-------------|
| Relinquished by: <u>R. Jones</u> | <u>Rusty Jones</u> | <u>CRETE</u>                    | <u>3/24/23</u> | <u>0808</u> |
| Received by: <u>Phan Phan</u>    | <u>Phan Phan</u>   | <u>FBI</u>                      | <u>3/24/23</u> | <u>0808</u> |
| Relinquished by:                 |                    | Samples received at <u>0800</u> |                |             |
| Received by:                     |                    |                                 |                |             |

303388  
 Report to Leon Jones/Hainsworth  
 Company L-E/CRETE  
 Address \_\_\_\_\_  
 City, State, ZIP \_\_\_\_\_  
 Phone 832-330-1359 Email \_\_\_\_\_

# SAMPLE CHAIN OF CUSTODY 03/24/23

H3/H4

Page # 2 of 4

|                                                                   |                          |
|-------------------------------------------------------------------|--------------------------|
| SAMPLERS (signature)<br><u>Rusty Jones</u> <u>R. Jones</u>        |                          |
| PROJECT NAME<br><u>Port of Friday Harbor,<br/>Jensen's Maring</u> | PO #                     |
| REMARKS<br><br>Project specific RLs? - Yes / No                   | INVOICE TO<br><u>L-E</u> |

|                                                         |  |
|---------------------------------------------------------|--|
| TURNAROUND TIME                                         |  |
| <input checked="" type="checkbox"/> Standard turnaround |  |
| <input type="checkbox"/> RUSH                           |  |
| Rush charges authorized by: _____                       |  |
| SAMPLE DISPOSAL                                         |  |
| <input checked="" type="checkbox"/> Archive samples     |  |
| <input type="checkbox"/> Other                          |  |
| Default: Dispose after 30 days                          |  |

| Sample ID   | Lab ID            | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED                     |                                |                                 |                                        |                                     |                             |               |            |                      |                   |             | Notes                                    |
|-------------|-------------------|--------------|--------------|-------------|-----------|----------------------------------------|--------------------------------|---------------------------------|----------------------------------------|-------------------------------------|-----------------------------|---------------|------------|----------------------|-------------------|-------------|------------------------------------------|
|             |                   |              |              |             |           | DISSOLVED<br>SOLIDS<br>FEDER 816-80218 | NIU-TPH-004<br>FEDER 816-80218 | TOTAL SOLIDS<br>FEDER 816-80218 | SMS SVCS<br>SULFIDE<br>FEDER 816-80218 | VOCS<br>Aroclors<br>FEDER 816-80218 | SMS SVCS<br>FEDER 816-80218 | PCBs EPA 8082 | Grain Size | TOC,<br>Total Solids | SMS Metals,<br>Hg | D/F Archive |                                          |
| SED-12C:0-1 | <del>11</del> A-H | 3/22/2023    | 0925         | SOLIDS      | 8         | X                                      |                                |                                 |                                        | X                                   |                             |               | X          | X                    |                   |             |                                          |
| SED-12C:1-3 | 12 A-D            |              | 0925         |             | 4         |                                        |                                |                                 |                                        |                                     |                             |               |            |                      |                   | X           | Archive All                              |
| SED-26C:0-1 | 13 A-H            |              | 1038         |             | 8         | X                                      | X                              |                                 | X                                      | X                                   | X                           |               | X          | X                    | X                 | X           |                                          |
| SED-26C:1-3 | 14 A-I            |              | 1038         |             | 8         |                                        | X                              |                                 | X                                      | X                                   |                             |               | X          | X                    | X                 | X           |                                          |
| SED-26C:3-5 | 15 A-D            |              | 1038         |             | 4         |                                        |                                |                                 |                                        |                                     |                             |               |            |                      |                   | X           | Grain Size & Total Solids<br>Archive All |
| SED-26C:5-7 | 16 A-D            |              | 1038         |             | 4         |                                        |                                |                                 |                                        |                                     |                             |               |            |                      |                   | X           | Archive All                              |
| SED-25C:0-1 | 17 A-H            |              | 1119         |             | 8         | X                                      | X                              |                                 | X                                      | X                                   | X                           |               | X          | X                    | X                 |             |                                          |
| SED-25C:1-3 | 18 A-I            |              | 1119         |             | 10        |                                        | X                              |                                 | X                                      | X                                   | X                           |               | X          | X                    | X                 |             | D/F Archive                              |
| SED-25C:3-5 | 19 A-D            |              | 1119         |             | 4         |                                        |                                |                                 |                                        |                                     |                             |               |            |                      |                   | X           | Archive All                              |
| SED-25C:5-7 | 20 A-D            | ✓            | 1119         | ✓           | 4         |                                        |                                |                                 |                                        |                                     |                             |               |            |                      |                   | X           | Archive All                              |

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 Ph. (206) 285-8282

| SIGNATURE                        | PRINT NAME         | COMPANY                         | DATE           | TIME        |
|----------------------------------|--------------------|---------------------------------|----------------|-------------|
| Relinquished by: <u>R. Jones</u> | <u>Rusty Jones</u> | <u>CRETE</u>                    | <u>3/24/23</u> | <u>0805</u> |
| Received by: <u>m/phan</u>       | <u>Nhan phan</u>   | <u>FEBT</u>                     | <u>3/24/23</u> | <u>0808</u> |
| Relinquished by:                 |                    | Samples received at <u>20°C</u> |                |             |
| Received by:                     |                    |                                 |                |             |

303388  
 Report To Leon Jones/Hainsworth  
 Company L-E/CRETE  
 Address \_\_\_\_\_  
 City, State, ZIP \_\_\_\_\_  
 Phone 832.330.1359 Email \_\_\_\_\_

# SAMPLE CHAIN OF CUSTODY

03/24/23

#13/44  
 Page # 3 of 4

|                                                                    |                          |
|--------------------------------------------------------------------|--------------------------|
| SAMPLERS (signature)<br><u>R. Jones Rusty Jones</u>                |                          |
| PROJECT NAME<br><u>Port of Friday Harbor,<br/>Jensen's Marling</u> | PO #                     |
| REMARKS<br><br>Project specific RLs? - Yes / No                    | INVOICE TO<br><u>L-E</u> |

|                                                         |  |
|---------------------------------------------------------|--|
| TURNAROUND TIME                                         |  |
| <input checked="" type="checkbox"/> Standard turnaround |  |
| <input type="checkbox"/> RUSH                           |  |
| Rush charges authorized by: _____                       |  |
| SAMPLE DISPOSAL                                         |  |
| <input checked="" type="checkbox"/> Archive samples     |  |
| <input type="checkbox"/> Other _____                    |  |
| Default: Dispose after 30 days                          |  |

| Sample ID   | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED |               |     |              |                |             |   |   |   |   |  |  |  | Notes                      |
|-------------|--------|--------------|--------------|-------------|-----------|--------------------|---------------|-----|--------------|----------------|-------------|---|---|---|---|--|--|--|----------------------------|
|             |        |              |              |             |           | PCBs EPA 8082      | Chlor. Solids | TOC | Total Solids | SMS Metals, Hg | D/F Archive |   |   |   |   |  |  |  |                            |
| SED-27C:0-1 | 21 A-E | 3/22/23      | 1324         | SOLIDS      | 5         |                    |               |     |              |                |             |   |   |   |   |  |  |  | Archive All                |
| SED-27C:1-3 | 22 A-F |              | 1324         |             | 6         |                    |               |     |              |                |             |   |   |   |   |  |  |  | Archive All                |
| SED-27C:3-5 | 23 A-D |              | 1324         |             | 4         |                    |               |     |              |                |             |   |   |   |   |  |  |  | Archive All                |
| SED-27C:5-7 | 24 A-D | ↓            | 1324         | ↓           | 4         |                    |               |     |              |                |             |   |   |   |   |  |  |  | Archive All                |
| SED-DUP2C   | 25     | 3/22/23      | 1200         | SOLIDS      | 1         |                    |               |     |              |                |             |   |   |   |   |  |  |  |                            |
| SED-10C:0-1 | 26 A-H | 3/23/23      | 0817         | SOLIDS      | ⑧         | X                  | X             |     | X            | X              | X           | X | X | X | X |  |  |  |                            |
| SED-10C:1-3 | 27 A-I |              | 0817         |             | 9         | X                  | X             |     | X            | X              | X           | X | X | X | X |  |  |  |                            |
| SED-10C:3-5 | 28 A-D |              | 0817         |             | 4         |                    |               |     |              |                |             |   |   |   |   |  |  |  | Archive All<br>D/F Archive |
| SED-10C:5-6 | 29 A-D |              | 0817         |             | 4         |                    |               |     |              |                |             |   |   |   |   |  |  |  | Archive All<br>D/F Archive |
| SED-11C:0-1 | 30 A-G | ↓            | 0842         | ↓           | 7         | X                  |               |     | X            | X              | X           | X | X | X | X |  |  |  |                            |

Friedman & Bruya, Inc.  
 Ph. (206) 285-8282

| SIGNATURE                        | PRINT NAME         | COMPANY      | DATE           | TIME        |
|----------------------------------|--------------------|--------------|----------------|-------------|
| Relinquished by: <u>R. Jones</u> | <u>Rusty Jones</u> | <u>CRETE</u> | <u>3/24/23</u> | <u>0808</u> |
| Received by: <u>M. H. Jones</u>  | <u>Nhan Phan</u>   | <u>FCBI</u>  | <u>3/24/23</u> | <u>0808</u> |
| Relinquished by:                 |                    |              |                |             |
| Received by:                     |                    |              |                |             |

303388

Report To Leon / Jones / HainsworthCompany L-E / CRETE

Address \_\_\_\_\_

City, State, ZIP \_\_\_\_\_

Phone 832.330.1359 Email \_\_\_\_\_

## SAMPLE CHAIN OF CUSTODY

03/24/23 #3/H4

SAMPLERS (signature)

Rusty Jones R. Jones

PROJECT NAME

Port of Friday Harbor

PO # \_\_\_\_\_

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

L-EPage # 4 of 4

## TURNAROUND TIME

☒ Standard turnaround☐ RUSH

Rush charges authorized by: \_\_\_\_\_

## SAMPLE DISPOSAL

☒ Archive samples☐ Other \_\_\_\_\_

Default: Dispose after 30 days

| Sample ID     | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED |              |                |            |            |                  |                       |                     |            |              |            | Notes                           |
|---------------|--------|--------------|--------------|-------------|-----------|--------------------|--------------|----------------|------------|------------|------------------|-----------------------|---------------------|------------|--------------|------------|---------------------------------|
|               |        |              |              |             |           | Biological         | Trace Metals | Trace Organics | Trace PCBs | Trace PAHs | Trace Pesticides | Trace Pharmaceuticals | Trace PCBs EPA 8082 | Grain Size | Total Solids | SMS Metals |                                 |
| SED-11C: 1-3  | 31 A-I | 3/23/23      | 0842         | SOLIDS      | 9         | X                  |              |                |            |            | X                | X                     | X                   | X          | X            | X          | Hg Metal only                   |
| SED-11C: 3-5  | 32 A-D |              | 0842         |             | 4         |                    |              |                |            |            |                  |                       |                     |            |              |            | Archive All                     |
| SED-27G: 0-10 | 33 A-H |              | 1017         |             | 8         |                    |              | X              | X          |            |                  |                       |                     |            |              |            | +1 bioassay bag                 |
| SED-Dup3C     | 34 A-B | ✓            | 1200         | ✓           | 2         |                    |              |                |            |            |                  | X                     |                     | X          | X            |            | SMS Pesticides if volume permit |
|               |        |              |              |             |           |                    |              |                |            |            |                  |                       |                     |            |              |            |                                 |
|               |        |              |              |             |           |                    |              |                |            |            |                  |                       |                     |            |              |            |                                 |
|               |        |              |              |             |           |                    |              |                |            |            |                  |                       |                     |            |              |            |                                 |
|               |        |              |              |             |           |                    |              |                |            |            |                  |                       |                     |            |              |            |                                 |
|               |        |              |              |             |           |                    |              |                |            |            |                  |                       |                     |            |              |            |                                 |
|               |        |              |              |             |           |                    |              |                |            |            |                  |                       |                     |            |              |            |                                 |
|               |        |              |              |             |           |                    |              |                |            |            |                  |                       |                     |            |              |            |                                 |

Friedman & Bruya, Inc.  
Ph. (206) 285-8282

| SIGNATURE                        | PRINT NAME         | COMPANY      | DATE                           | TIME        |
|----------------------------------|--------------------|--------------|--------------------------------|-------------|
| Relinquished by: <u>R. Jones</u> | <u>Rusty Jones</u> | <u>CRETE</u> | <u>3/24/23</u>                 | <u>0808</u> |
| Received by: <u>m/ly/kw</u>      | <u>Dhan Phan</u>   | <u>ECBI</u>  | <u>3/24/23</u>                 | <u>0808</u> |
| Relinquished by:                 |                    |              | Samples received at <u>0°C</u> |             |
| Received by:                     |                    |              |                                |             |

230538

## SUBCONTRACT SAMPLE CHAIN OF CUSTODY

Send Report To Michael ErdahlCompany Friedman and Bruya, Inc.Address 3012 16th Ave WCity, State, ZIP Seattle, WA 98119Phone # (206) 285-8282 merdahl@friedmanandbruya.com

SUBCONTRACTOR

ARI

PROJECT NAME/NO.

303333

PO #

D-221

REMARKS

EIM EDD

Page # 1 of 1

TURNAROUND TIME

☒ Standard TAT

RUSH

Rush charges authorized by: \_\_\_\_\_

SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

|              |        |              |              |        |           | ANALYSES REQUESTED |         |                      |              |  |  |  |  |  |  | Notes                   |
|--------------|--------|--------------|--------------|--------|-----------|--------------------|---------|----------------------|--------------|--|--|--|--|--|--|-------------------------|
| Sample ID    | Lab ID | Date Sampled | Time Sampled | Matrix | # of jars | Total Sulfides     | Ammonia | Total Organic Carbon | Total Solids |  |  |  |  |  |  |                         |
| SED-07G:0-10 |        | 3/20/2023    | 810          | solids | 2         | x                  | x       |                      |              |  |  |  |  |  |  |                         |
| SED-11G:0-10 |        | 3/20/2023    | 924          | solids | 2         | x                  | x       |                      |              |  |  |  |  |  |  |                         |
| SED-14G:0-10 |        | 3/20/2023    | 1011         | solids | 2         | x                  | x       |                      |              |  |  |  |  |  |  |                         |
| SED-15G:0-10 |        | 3/20/2023    | 1042         | solids | 2         | x                  | x       |                      |              |  |  |  |  |  |  |                         |
| SED-24G:0-10 |        | 3/20/2023    | 1106         | solids | 1         |                    | x       | x                    | x            |  |  |  |  |  |  | hold ammonia MS 3/22/23 |
| SED-23G:0-10 |        | 3/20/2023    | 1142         | solids | 1         |                    | x       | x                    | x            |  |  |  |  |  |  | ↓                       |
| SED-22G:0-10 |        | 3/20/2023    | 1158         | solids | 1         |                    | x       | x                    | x            |  |  |  |  |  |  | ↓                       |
| SED-21G:0-10 |        | 3/20/2023    | 1216         | solids | 1         |                    | x       | x                    | x            |  |  |  |  |  |  | ↓                       |
| SED-03G:0-10 |        | 3/20/2023    | 1315         | solids | 2         | x                  | x       |                      |              |  |  |  |  |  |  |                         |
| SED-20G:0-10 |        | 3/20/2023    | 1338         | solids | 1         |                    | x       | x                    | x            |  |  |  |  |  |  | Hold ammonia MS 3/22/23 |
| SED-18G:0-10 |        | 3/20/2023    | 1408         | solids | 1         |                    | x       | x                    | x            |  |  |  |  |  |  | ↓                       |
| SED-19G:0-10 |        | 3/20/2023    | 1427         | solids | 1         |                    | x       | x                    | x            |  |  |  |  |  |  |                         |
| SED-01G:0-10 |        | 3/20/2023    | 1445         | solids | 2         | x                  | x       |                      |              |  |  |  |  |  |  |                         |

Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

Michael Erdahl

Phillip Bates

COMPANY

Friedman &amp; Bruya

AR

DATE

03/22/23

3/22/23

TIME

08:20

16:08

23C&amp;618

## SUBCONTRACT SAMPLE CHAIN OF CUSTODY

Send Report To Michael ErdahlCompany Friedman and Bruya, Inc.Address 3012 16th Ave WCity, State, ZIP Seattle, WA 98119Phone # (206) 285-8282 merdahl@friedmanandbruya.com

SUBCONTRACTOR

ARI

PROJECT NAME/NO.

303373

PO #

D-221

REMARKS

merdahl@friedmanandbruya.co

Page # 1 of 1

## TURNAROUND TIME

☒ Standard TAT

RUSH

Rush charges authorized by: \_\_\_\_\_

## SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

| Sample ID    | Lab ID | Date Sampled | Time Sampled | Matrix   | # of jars | ANALYSES REQUESTED |     |              |                |         |                |  |  |  |  | Notes |
|--------------|--------|--------------|--------------|----------|-----------|--------------------|-----|--------------|----------------|---------|----------------|--|--|--|--|-------|
|              |        |              |              |          |           | TBT                | TOC | Total Solids | Dioxins/Furans | Ammonia | Total Sulfides |  |  |  |  |       |
| SED-07G:0-10 |        | 3/20/2023    | 1002         | sediment | 2         | X                  | X   | X            |                |         |                |  |  |  |  |       |
| SED-11G:0-10 |        | 3/20/2023    | 924          | sediment | 1         |                    | X   | X            |                |         |                |  |  |  |  |       |
| SED-14G:0-10 |        | 3/20/2023    | 1011         | sediment | 2         | X                  | X   | X            |                |         |                |  |  |  |  |       |
| SED-15G:0-10 |        | 3/20/2023    | 1042         | sediment | 2         | X                  | X   | X            |                |         |                |  |  |  |  |       |
| SED-03G:0-10 |        | 3/20/2023    | 1315         | sediment | 1         |                    | X   | X            |                |         |                |  |  |  |  |       |
| SED-01G:0-10 |        | 3/20/2023    | 1445         | sediment | 1         |                    | X   | X            |                |         |                |  |  |  |  |       |
| SED-01C:0-1  |        | 3/21/2023    | 1151         | sediment | 1         |                    | X   | X            |                |         |                |  |  |  |  |       |
| SED-05C:0-1  |        | 3/21/2023    | 1244         | sediment | 1         |                    | X   | X            |                |         |                |  |  |  |  |       |
| SED-05G:0-10 |        | 3/21/2023    | 1310         | sediment | 3         |                    | X   | X            |                | X       | X              |  |  |  |  |       |
| SED-03C:0-1  |        | 3/21/2023    | 1442         | sediment | 1         |                    | X   | X            |                |         |                |  |  |  |  |       |
| SED-14C:0-1  |        | 3/21/2023    | 1553         | sediment | 2         | X                  | X   | X            |                |         |                |  |  |  |  |       |
| SED-14C:1-3  |        | 3/21/2023    | 1553         | sediment | 2         | X                  | X   | X            |                |         |                |  |  |  |  |       |
| SED-DUPC     |        | 3/21/2023    | 1200         | sediment | 2         | X                  | X   | X            |                |         |                |  |  |  |  |       |

Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

Michael Erdahl

Phillip Bates

COMPANY

Friedman &amp; Bruya

AR

DATE

3/24/23

3/24/23

TIME

13:30

16:25

23C &amp; 619

## SUBCONTRACT SAMPLE CHAIN OF CUSTODY

Send Report To Michael ErdahlCompany Friedman and Bruya, Inc.Address 3012 16th Ave WCity, State, ZIP Seattle, WA 98119Phone # (206) 285-8282 merdahl@friedmanandbruya.com

SUBCONTRACTOR

ARI

PROJECT NAME/NO.

303388

PO #

D-229

REMARKS

merdahl@friedmanandbruya.co

Page # 1 of 2

## TURNAROUND TIME

☒ Standard TAT

RUSH

Rush charges authorized by:

## SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

|             |        |              |              |          |           | ANALYSES REQUESTED |     |              |                |         |          |  |  |  |  | Notes |
|-------------|--------|--------------|--------------|----------|-----------|--------------------|-----|--------------|----------------|---------|----------|--|--|--|--|-------|
| Sample ID   | Lab ID | Date Sampled | Time Sampled | Matrix   | # of jars | TBT                | TOC | Total Solids | Dioxins/Furans | Ammonia | Sulfides |  |  |  |  |       |
| SED-07C:0-1 |        | 3/22/2023    | 729          | sediment | 2         | X                  | X   | X            |                |         |          |  |  |  |  |       |
| SED-07C:1-3 |        | 3/22/2023    | 729          | sediment | 2         | X                  | X   | X            |                |         |          |  |  |  |  |       |
| SED-08C:0-1 |        | 3/22/2023    | 807          | sediment | 3         | X                  | X   | X            | X              |         |          |  |  |  |  |       |
| SED-08C:1-3 |        | 3/22/2023    | 807          | sediment | 2         | X                  | X   | X            |                |         |          |  |  |  |  |       |
| SED-09C:0-1 |        | 3/22/2023    | 833          | sediment | 3         | X                  | X   | X            | X              |         |          |  |  |  |  |       |
| SED-09C:1-3 |        | 3/22/2023    | 833          | sediment | 3         | X                  | X   | X            | X              |         |          |  |  |  |  |       |
| SED-12C:0-1 |        | 3/22/2023    | 925          | sediment | 2         |                    | X   | X            | X              |         |          |  |  |  |  |       |
| SED-26C:0-1 |        | 3/22/2023    | 1038         | sediment | 3         | X                  | X   | X            | X              |         |          |  |  |  |  |       |
| SED-26C:1-3 |        | 3/22/2023    | 1038         | sediment | 2         | X                  | X   | X            |                |         |          |  |  |  |  |       |
| SED-25C:0-1 |        | 3/22/2023    | 1119         | sediment | 3         | X                  | X   | X            | X              |         |          |  |  |  |  |       |
| SED-25C:1-3 |        | 3/22/2023    | 1119         | sediment | 2         | X                  | X   | X            |                |         |          |  |  |  |  |       |
| SED-10C:0-1 |        | 3/23/2023    | 817          | sediment | 3         | X                  | X   | X            | X              |         |          |  |  |  |  |       |
| SED-10C:1-3 |        | 3/23/2023    | 817          | sediment | 3         | X                  | X   | X            | X              |         |          |  |  |  |  |       |

Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

## SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

## PRINT NAME

Michael Erdahl

Philip Bates

## COMPANY

Friedman &amp; Bruya

AR

## DATE

3/24/23

3/24/23

## TIME

1330

16:25

23cd619

## SUBCONTRACT SAMPLE CHAIN OF CUSTODY

Send Report To Michael ErdahlCompany Friedman and Bruya, Inc.Address 3012 16th Ave WCity, State, ZIP Seattle, WA 98119Phone # (206) 285-8282 merdahl@friedmanandbruya.com

SUBCONTRACTOR

ARI

PROJECT NAME/NO.

303388

PO #

D-229

REMARKS

merdahl@friedmanandbruya.coPage # 2 of 2

## TURNAROUND TIME

☒ Standard TAT

RUSH

Rush charges authorized by: \_\_\_\_\_

## SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

| Sample ID    | Lab ID | Date Sampled | Time Sampled | Matrix   | # of jars | ANALYSES REQUESTED |     |              |                |         |          |  |  |  |  | Notes |
|--------------|--------|--------------|--------------|----------|-----------|--------------------|-----|--------------|----------------|---------|----------|--|--|--|--|-------|
|              |        |              |              |          |           | TBT                | TOC | Total Solids | Dioxins/Furans | Ammonia | Sulfides |  |  |  |  |       |
| SED-11C:0-1  |        | 3/23/2023    | 842          | sediment | 2         |                    | X   | X            | X              |         |          |  |  |  |  |       |
| SED-11C:1-3  |        | 3/23/2023    | 842          | sediment | 2         |                    | X   | X            | X              |         |          |  |  |  |  |       |
| SED-27G:0-10 |        | 3/23/2023    | 1017         | sediment | 2         |                    |     |              |                | X       | X        |  |  |  |  |       |
| SED-DUP3C    |        | 3/23/2023    | 1200         | sediment | 2         |                    | X   | X            |                |         |          |  |  |  |  |       |
|              |        |              |              |          |           |                    |     |              |                |         |          |  |  |  |  |       |
|              |        |              |              |          |           |                    |     |              |                |         |          |  |  |  |  |       |
|              |        |              |              |          |           |                    |     |              |                |         |          |  |  |  |  |       |
|              |        |              |              |          |           |                    |     |              |                |         |          |  |  |  |  |       |
|              |        |              |              |          |           |                    |     |              |                |         |          |  |  |  |  |       |
|              |        |              |              |          |           |                    |     |              |                |         |          |  |  |  |  |       |
|              |        |              |              |          |           |                    |     |              |                |         |          |  |  |  |  |       |
|              |        |              |              |          |           |                    |     |              |                |         |          |  |  |  |  |       |
|              |        |              |              |          |           |                    |     |              |                |         |          |  |  |  |  |       |
|              |        |              |              |          |           |                    |     |              |                |         |          |  |  |  |  |       |
|              |        |              |              |          |           |                    |     |              |                |         |          |  |  |  |  |       |
|              |        |              |              |          |           |                    |     |              |                |         |          |  |  |  |  |       |
|              |        |              |              |          |           |                    |     |              |                |         |          |  |  |  |  |       |

Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

## SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

## PRINT NAME

Michael Erdahl

Phillip Bates

## COMPANY

Friedman &amp; Bruya

AR

## DATE

3/24/23

3/24/23

## TIME

1330

16:25

23E0148

## SUBCONTRACT SAMPLE CHAIN OF CUSTODY

Send Report To Michael ErdahlCompany Friedman and Bruya, Inc.Address 3012 16th Ave WCity, State, ZIP Seattle, WA 98119Phone # (206) 285-8282 merdahl@friedmanandbruya.com

|                                                                           |                   |
|---------------------------------------------------------------------------|-------------------|
| SUBCONTRACTOR<br>ARI                                                      |                   |
| PROJECT NAME/NO.<br><br>303373                                            | PO #<br><br>D-221 |
| REMARKS<br><br>Replacement volume for TOC.<br>Frozen prior to subcontract |                   |

Page # 1 of 1

## TURNAROUND TIME

Standard TAT

☒ RUSH

Rush charges authorized by: \_\_\_\_\_

## SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

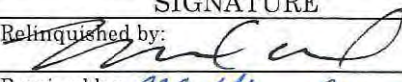
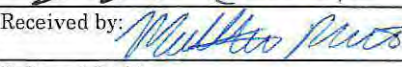
|              |        |              |              |          |           | ANALYSES REQUESTED   |  |  |  |  |  |  |  |  |  | Notes |
|--------------|--------|--------------|--------------|----------|-----------|----------------------|--|--|--|--|--|--|--|--|--|-------|
| Sample ID    | Lab ID | Date Sampled | Time Sampled | Matrix   | # of jars | Total Organic Carbon |  |  |  |  |  |  |  |  |  |       |
| SED-07G:0-10 |        | 3/20/2023    | 1002         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-11G:0-10 |        | 3/20/2023    | 924          | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-14G:0-10 |        | 3/20/2023    | 1011         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-15G:0-10 |        | 3/20/2023    | 1242         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-03G:0-10 |        | 3/20/2023    | 1315         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-01G:0-10 |        | 3/20/2023    | 1445         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-01C:0-1  |        | 3/20/2023    | 1151         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-05C:0-1  |        | 3/21/2023    | 1244         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-05G:0-10 |        | 3/21/2023    | 1310         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-03C:0-1  |        | 3/21/2023    | 1442         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-14C:0-1  |        | 3/21/2023    | 1553         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-14C:1-3  |        | 3/21/2023    | 1553         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-DUPC     |        | 3/21/2023    | 1200         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |

Friedman & Bruya, Inc.  
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Seattle, WA 98119-2029

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Fax (206) 283-5044

| SIGNATURE                                                                                            | PRINT NAME     | COMPANY          | DATE   | TIME |
|------------------------------------------------------------------------------------------------------|----------------|------------------|--------|------|
| Relinquished by:  | Michael Erdahl | Friedman & Bruya | 5/5/23 |      |
| Received by:      | Matthew Palmer | AR LLL           | 5/5/23 | 1420 |
| Relinquished by:                                                                                     |                |                  |        |      |
| Received by:                                                                                         |                |                  |        |      |

23E0152

## SUBCONTRACT SAMPLE CHAIN OF CUSTODY

Send Report To Michael ErdahlCompany Friedman and Bruya, Inc.Address 3012 16th Ave WCity, State, ZIP Seattle, WA 98119Phone # (206) 285-8282 merdahl@friedmanandbruya.com

SUBCONTRACTOR

ARI

PROJECT NAME/NO.

303388

PO #

D-229

REMARKS

Replacement volume for TOC.

Frozen prior to subcontract

Page # 1 of 2

TURNAROUND TIME

Standard TAT

☒ RUSH

Rush charges authorized by: \_\_\_\_\_

SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

| Sample ID              | Lab ID | Date Sampled         | Time Sampled   | Matrix              | # of jars    | ANALYSES REQUESTED   |  |  |  |  |  |  |  |  |  | Notes                 |
|------------------------|--------|----------------------|----------------|---------------------|--------------|----------------------|--|--|--|--|--|--|--|--|--|-----------------------|
|                        |        |                      |                |                     |              | Total Organic Carbon |  |  |  |  |  |  |  |  |  |                       |
| SED-07C:0-1            |        | 3/22/2023            | 729            | sediment            | 1            | x                    |  |  |  |  |  |  |  |  |  |                       |
| <del>SED-07C:1-3</del> |        | <del>3/22/2023</del> | <del>729</del> | <del>sediment</del> | <del>1</del> | <del>x</del>         |  |  |  |  |  |  |  |  |  | No further sample     |
| SED-08C:0-1            |        | 3/22/2023            | 807            | sediment            | 1            | x                    |  |  |  |  |  |  |  |  |  | at F&B, Use container |
| SED-08C:1-3            |        | 3/22/2023            | 807            | sediment            | 1            | x                    |  |  |  |  |  |  |  |  |  | at ARI - ME 5/5/23    |
| SED-09C:0-1            |        | 3/22/2023            | 833            | sediment            | 1            | x                    |  |  |  |  |  |  |  |  |  |                       |
| SED-09C:1-3            |        | 3/22/2023            | 833            | sediment            | 1            | x                    |  |  |  |  |  |  |  |  |  |                       |
| SED-12C:0-1            |        | 3/22/2023            | 925            | sediment            | 1            | x                    |  |  |  |  |  |  |  |  |  |                       |
| SED-26C:0-1            |        | 3/22/2023            | 1038           | sediment            | 1            | x                    |  |  |  |  |  |  |  |  |  |                       |
| SED-26C:1-3            |        | 3/22/2023            | 1038           | sediment            | 1            | x                    |  |  |  |  |  |  |  |  |  |                       |
| SED-25C:0-1            |        | 3/22/2023            | 1119           | sediment            | 1            | x                    |  |  |  |  |  |  |  |  |  |                       |
| SED-25C:1-3            |        | 3/22/2023            | 1119           | sediment            | 1            | x                    |  |  |  |  |  |  |  |  |  |                       |
| SED-10C:0-1            |        | 3/23/2023            | 817            | sediment            | 1            | x                    |  |  |  |  |  |  |  |  |  |                       |
| SED-10C:1-3            |        | 3/23/2023            | 817            | sediment            | 1            | x                    |  |  |  |  |  |  |  |  |  |                       |

Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

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Fax (206) 283-5044

SIGNATURE

Relinquished by:



Received by:



Relinquished by:

Received by:

PRINT NAME

Michael Erdahl

Matthew Barker

COMPANY

Friedman &amp; Bruya

AR LLC

DATE

5/5/23

5/5/23

TIME

1420

23E0152

## SUBCONTRACT SAMPLE CHAIN OF CUSTODY

Send Report To Michael ErdahlCompany Friedman and Bruya, Inc.Address 3012 16th Ave WCity, State, ZIP Seattle, WA 98119Phone # (206) 285-8282 merdahl@friedmanandbruya.comSUBCONTRACTOR  
ARI

PROJECT NAME/NO.

303388

PO #

D-229

REMARKS

Replacement volume for TOC.  
Frozen prior to subcontractPage # 2 of 2

TURNAROUND TIME

Standard TAT

☒ RUSH

Rush charges authorized by: \_\_\_\_\_

SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

| Sample ID   | Lab ID | Date Sampled | Time Sampled | Matrix   | # of jars | ANALYSES REQUESTED   |  |  |  |  |  |  |  |  |  | Notes |
|-------------|--------|--------------|--------------|----------|-----------|----------------------|--|--|--|--|--|--|--|--|--|-------|
|             |        |              |              |          |           | Total Organic Carbon |  |  |  |  |  |  |  |  |  |       |
| SED-11C:0-1 |        | 3/23/2023    | 729          | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-11C:1-3 |        | 3/23/2023    | 842          | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-DUP3C   |        | 3/23/2023    | 1200         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |

Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

Michael Erdahl

Matthew Danner

COMPANY

Friedman &amp; Bruya

AR LLC

DATE

5/5/23

5/5/23

TIME

1420

## SUBCONTRACT SAMPLE CHAIN OF CUSTODY

23E0156

Send Report To Michael ErdahlCompany Friedman and Bruya, Inc.Address 3012 16th Ave WCity, State, ZIP Seattle, WA 98119Phone # (206) 285-8282 merdahl@friedmanandbruya.com

SUBCONTRACTER

ARI

PROJECT NAME/NO.

303333

PO #

D-221

REMARKS

Replacement volume for TOC.

Frozen prior to subcontract

Page # 1 of 1

TURNAROUND TIME

Standard TAT

☒ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

| Sample ID    | Lab ID | Date Sampled | Time Sampled | Matrix   | # of jars | ANALYSES REQUESTED   |  |  |  |  |  |  |  |  |  | Notes |
|--------------|--------|--------------|--------------|----------|-----------|----------------------|--|--|--|--|--|--|--|--|--|-------|
|              |        |              |              |          |           | Total Organic Carbon |  |  |  |  |  |  |  |  |  |       |
| SED-24G:0-10 |        | 3/20/2023    | 1106         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-23G:0-10 |        | 3/20/2023    | 1142         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-22G:0-10 |        | 3/20/2023    | 1158         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-21G:0-10 |        | 3/20/2023    | 1216         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-20G:0-10 |        | 3/20/2023    | 1338         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-18G:0-10 |        | 3/20/2023    | 1408         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
| SED-19G:0-10 |        | 3/20/2023    | 1427         | sediment | 1         | x                    |  |  |  |  |  |  |  |  |  |       |
|              |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|              |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|              |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|              |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|              |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|              |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |
|              |        |              |              |          |           |                      |  |  |  |  |  |  |  |  |  |       |

Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Relinquished by:

PRINT NAME

Michael Erdahl

COMPANY

Friedman &amp; Bruya

DATE

5/5/23

TIME

Received by:

Relinquished by:

Received by:

# SAMPLE CHAIN OF CUSTODY 03/21/23

M3

Report To 303333 Leon/R. Jones/G. Hainsworth  
 Company Leon Environmental, CRETE  
 Address \_\_\_\_\_  
 City, State, ZIP \_\_\_\_\_  
 Phone 832.330.1359 Email \_\_\_\_\_

|                                                                                               |                                |
|-----------------------------------------------------------------------------------------------|--------------------------------|
| SAMPLERS (signature)<br><u>Rusty Jones</u>                                                    |                                |
| PROJECT NAME<br><u>Part of Friday Harbor Jensen's Marina</u>                                  | PO # _____                     |
| REMARKS<br><u>SMS SWCs, PCB detectors, SMS Pesticides</u><br>Project specific RLS? - Yes / No | INVOICE TO<br><u>LEON ENV.</u> |

Page # 1 of 2

## TURNAROUND TIME

☒ Standard turnaround  
☐ RUSH  
 Rush charges authorized by: \_\_\_\_\_

## SAMPLE DISPOSAL

☒ Archive samples  
☐ Other \_\_\_\_\_  
 Default: Dispose after 30 days

|              |        |                 |                         |                |              | ANALYSES REQUESTED |          |               |            |               |                           |                      |                |                                           |   | Hold Amount per<br>RS and Appendix A<br>Notes<br>for SED196→SED216<br>ME 3/21/23 |                  |
|--------------|--------|-----------------|-------------------------|----------------|--------------|--------------------|----------|---------------|------------|---------------|---------------------------|----------------------|----------------|-------------------------------------------|---|----------------------------------------------------------------------------------|------------------|
| Sample ID    | Lab ID | Date<br>Sampled | Time<br>Sampled         | Sample<br>Type | # of<br>Jars | NWTPH-Dx           | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | SMS SWCs<br>PAHs EPA 8270 | SMS<br>PCBs EPA 8082 | Total Sulfides | Ammonia<br>TOC Total Solids<br>Grain Size |   |                                                                                  |                  |
| SED-07G:0-10 | 01 A-B | 3.20.23         | 0810<br><del>1002</del> | solids         | 2            |                    |          |               |            |               |                           |                      |                | X                                         | X |                                                                                  | Remaining sample |
| SED-11G:0-10 | 02     |                 | 0924                    |                | 2            |                    |          |               |            |               |                           |                      |                | X                                         | X |                                                                                  | Jars to be       |
| SED-14G:0-10 | 03     |                 | 1011                    |                | 2            |                    |          |               |            |               |                           |                      |                | X                                         | X |                                                                                  | delivered        |
| SED-15G:0-10 | 04     |                 | 1042                    |                | 2            |                    |          |               |            |               |                           |                      |                | X                                         | X |                                                                                  | Separately       |
| SED-24G:0-10 | 05     |                 | 1106                    |                | 1            |                    |          |               |            |               | X                         | X                    |                |                                           |   | X                                                                                |                  |
| SED-23G:0-10 | 06     |                 | 1142                    |                | 1            |                    |          |               |            |               | X                         | X                    |                |                                           |   | X                                                                                |                  |
| SED-22G:0-10 | 07     |                 | 1158                    |                | 1            |                    |          |               |            |               | X                         | X                    |                |                                           |   | X                                                                                |                  |
| SED-21G:0-10 | 08     |                 | 1216                    |                | 1            |                    |          |               |            |               | X                         | X                    |                |                                           |   | X                                                                                |                  |
| SED-03G:0-10 | 09 A-B |                 | 1315                    |                | 2            |                    |          |               |            |               |                           |                      |                | X                                         | X |                                                                                  |                  |
| SED-20G:0-10 | 10     | ✓               | 1338                    | ✓              | 1            |                    |          |               |            |               |                           |                      |                |                                           |   | X                                                                                |                  |

DN

Friedman & Bruya, Inc.  
 Ph. (206) 285-8282

| SIGNATURE                        | PRINT NAME           | COMPANY                           | DATE           | TIME        |
|----------------------------------|----------------------|-----------------------------------|----------------|-------------|
| Relinquished by: <u>R. Jones</u> | <u>Rusty Jones</u>   | <u>CRETE</u>                      | <u>3.21.23</u> | <u>1130</u> |
| Received by: <u>[Signature]</u>  | <u>NGUYEN TRUONG</u> | <u>F B</u>                        | <u>3/21/23</u> | <u>1500</u> |
| Relinquished by:                 |                      | Samples received at <u>-1.8°C</u> |                |             |
| Received by:                     |                      |                                   |                |             |

303333  
 Report To P. Leon / R. Jones / G. Hainsworth  
 Company Leon Environmental, CRETE  
 Address \_\_\_\_\_  
 City, State, ZIP \_\_\_\_\_  
 Phone 832.330.1359 Email \_\_\_\_\_

# SAMPLE CHAIN OF CUSTODY

03/21/23

M3

Page # 2 of 2

|                                                                  |                                |
|------------------------------------------------------------------|--------------------------------|
| SAMPLERS (signature)<br><u>Rusty Jones</u> <u>R. Jones</u>       |                                |
| PROJECT NAME<br><u>Port of Friday Harbor<br/>Jensen's Marina</u> | PO # _____                     |
| REMARKS<br><br>Project specific RLs? - Yes / No                  | INVOICE TO<br><u>LEON ENV.</u> |

|                                                         |  |
|---------------------------------------------------------|--|
| TURNAROUND TIME                                         |  |
| <input checked="" type="checkbox"/> Standard turnaround |  |
| <input type="checkbox"/> RUSH                           |  |
| Rush charges authorized by: _____                       |  |
| SAMPLE DISPOSAL                                         |  |
| <input checked="" type="checkbox"/> Archive samples     |  |
| <input type="checkbox"/> Other _____                    |  |
| Default: Dispose after 30 days                          |  |

|              |        |              |              |             |           | ANALYSES REQUESTED |          |               |            |               |               |               |                |         |                                       |   |       |                         |
|--------------|--------|--------------|--------------|-------------|-----------|--------------------|----------|---------------|------------|---------------|---------------|---------------|----------------|---------|---------------------------------------|---|-------|-------------------------|
| Sample ID    | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx           | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | Total Sulfides | Ammonia | TOC, Total Solids, <del>Ammonia</del> |   | Notes |                         |
| SED-18G:0-10 | 11     | 3.20.23      | 1408         | SOLIDS      | 1         |                    |          |               |            |               |               |               |                |         |                                       | X |       | Remaining sample        |
| SED-19G:0-10 | 12     | ↓            | 1427         | ↓           | 1         |                    |          |               |            |               |               |               |                |         |                                       | X |       | Volumes to be delivered |
| SED-01G:0-10 | 13 A-B | ✓            | 1445         | ✓           | 2         |                    |          |               |            |               |               |               | X              | X       |                                       |   |       | separately ✓            |
|              |        |              |              |             |           |                    |          |               |            |               |               |               |                |         |                                       |   |       |                         |
|              |        |              |              |             |           |                    |          |               |            |               |               |               |                |         |                                       |   |       |                         |
|              |        |              |              |             |           |                    |          |               |            |               |               |               |                |         |                                       |   |       |                         |
|              |        |              |              |             |           |                    |          |               |            |               |               |               |                |         |                                       |   |       |                         |
|              |        |              |              |             |           |                    |          |               |            |               |               |               |                |         |                                       |   |       |                         |
|              |        |              |              |             |           |                    |          |               |            |               |               |               |                |         |                                       |   |       |                         |
|              |        |              |              |             |           |                    |          |               |            |               |               |               |                |         |                                       |   |       |                         |
|              |        |              |              |             |           |                    |          |               |            |               |               |               |                |         |                                       |   |       |                         |

Friedman & Bruya, Inc.  
 Ph. (206) 285-8282

| SIGNATURE                        | PRINT NAME         | COMPANY                           | DATE           | TIME        |
|----------------------------------|--------------------|-----------------------------------|----------------|-------------|
| Relinquished by: <u>R. Jones</u> | <u>Rusty Jones</u> | <u>CRETE</u>                      | <u>3.24.23</u> | <u>1130</u> |
| Received by: <u>[Signature]</u>  | <u>MIET TRUONG</u> | <u>F B</u>                        | <u>3/21/23</u> | <u>1500</u> |
| Relinquished by:                 |                    | Samples received at <u>-1.8°C</u> |                |             |
| Received by:                     |                    |                                   |                |             |

23I0934

## SUBCONTRACT SAMPLE CHAIN OF CUSTODY

Send Report To Peter LeonCompany Leon EnvironmentalAddress 8047 Burke Ave NCity, State, ZIP Seattle, WA 98103

SUBCONTRACTOR

ARI

PROJECT NAME/NO.

PO #

Port of Friday Harbor Jensen's  
Marina

REMARKS

Samples Frozen--EIM EDD

Page # 1 of 1

TURNAROUND TIME

☒ Standard TAT

RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

| Sample ID   | Lab ID | Date Sampled | Time Sampled | Matrix   | # of jars | ANALYSES REQUESTED |              |  |  |  |  |  |  |  |  | Notes |
|-------------|--------|--------------|--------------|----------|-----------|--------------------|--------------|--|--|--|--|--|--|--|--|-------|
|             |        |              |              |          |           | grain size         | Total Solids |  |  |  |  |  |  |  |  |       |
| SED-26C:1-3 |        | 3/22/2023    | 1038         | sediment | 1         |                    | x            |  |  |  |  |  |  |  |  |       |
| SED-27C:0-1 |        | 3/22/2023    | 1324         | sediment | 1         |                    | x            |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |

Friedman & Bruya, Inc.  
3012 16th Avenue West  
Seattle, WA 98119-2029  
Ph. (206) 285-8282  
Fax (206) 283-5044

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Michael Erdahl

Friedman &amp; Bruya

9/28/75

1600

Received by:

Roxen n.

ARI

9/28/23

1448

Relinquished by:

Received by:

# SUBCONTRACT SAMPLE CHAIN OF CUSTODY

Send Report To Michael Erdahl

Company Friedman and Bruya, Inc.

Address 5500 4<sup>th</sup> Ave S

City, State, ZIP Seattle, WA 98108

Phone # (206) 285-8282 merdahl@friedmanandbruya.com

|                                        |                   |
|----------------------------------------|-------------------|
| SUBCONTRACTOR<br>Fremont               |                   |
| PROJECT NAME/NO.<br><br>303388         | PO #<br><br>D-466 |
| REMARKS<br><br>Samples Frozen--EIM EDD |                   |

Page # 1 of 1

|                                                                                                                      |  |
|----------------------------------------------------------------------------------------------------------------------|--|
| TURNAROUND TIME                                                                                                      |  |
| <input checked="" type="checkbox"/> Standard TAT<br>RUSH <span style="color: red; font-weight: bold;">2309507</span> |  |
| Rush charges authorized by: _____                                                                                    |  |
| SAMPLE DISPOSAL                                                                                                      |  |
| Dispose after 30 days<br>Return samples<br>Will call with instructions                                               |  |

| Sample ID   | Lab ID | Date Sampled | Time Sampled | Matrix   | # of jars | ANALYSES REQUESTED |              |  |  |  |  |  |  |  |  | Notes |
|-------------|--------|--------------|--------------|----------|-----------|--------------------|--------------|--|--|--|--|--|--|--|--|-------|
|             |        |              |              |          |           | grain size         | Total Solids |  |  |  |  |  |  |  |  |       |
| SED-26C:1-3 |        | 3/22/2023    | 1038         | sediment | 1         | x                  |              |  |  |  |  |  |  |  |  |       |
| SED-27C:0-1 |        | 3/22/2023    | 1324         | sediment | 1         | x                  |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
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|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
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|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |
|             |        |              |              |          |           |                    |              |  |  |  |  |  |  |  |  |       |

|                                                                                                                       |                                                                                                      |                |                  |         |       |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------|------------------|---------|-------|
| Friedman & Bruya, Inc.<br>3012 16th Avenue West<br>Seattle, WA 98119-2029<br>Ph. (206) 285-8282<br>Fax (206) 283-5044 | SIGNATURE                                                                                            | PRINT NAME     | COMPANY          | DATE    | TIME  |
|                                                                                                                       | Relinquished by:  | Michael Erdahl | Friedman & Bruya | 9/28/23 | 10 00 |
|                                                                                                                       | Received by:      | Britton Stone  | FAI              | 9/28/23 | 14:32 |
|                                                                                                                       | Relinquished by: _____                                                                               |                |                  |         |       |
|                                                                                                                       | Received by: _____                                                                                   |                |                  |         |       |