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ATTACHMENT B
rev:06/13

FIELD DATA SHEET

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Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State: NH**	**Date: 04/01/14**

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1355 / 1445
Station ID #: LB-1
Weather: (Clear) Cloudy Rain Other ____
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): 10-15 mph S

FIELD DATA

Water Depth: ① 5.10' ② 7.50' ft. Tide: Ebb (Flood) Low Slack High Slack Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: N/A Coring Time: 1405 Penetration Depth: 0" ft. Core Recovery: 0" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) (N)

SAMPLE/PUSH #2

Core ID#: LB-1-A Coring Time: 1420 Penetration Depth: 100" ft. Core Recovery: 94" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #3

Core ID#: LB-1-B Coring Time: 1435 Penetration Depth: 110" ft. Core Recovery: 104" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

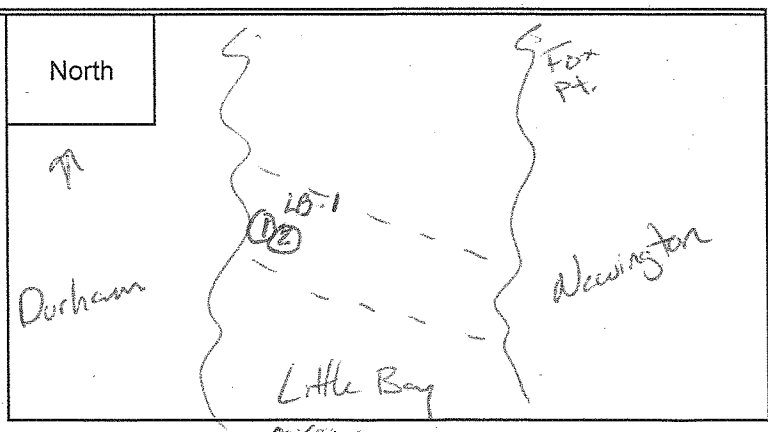
DGPS DATA

Operator: KCM
File Name: ① LB-1-2 ② LB-1-3
Lat / N: ① 221642.09 ② ~~1197162.74~~ 221541.37
Lon / E: ① 1196964.25 ② 1197162.74
PDOP: <6 <6
Coordinate Units: Lat/Lon (US Survey Feet)
Datum: NAD 83 (NA) N Other US STATE 83
Proj.: ~~Little Bay~~ NH 2800
GPS Serial #: GEOXH

COMMENTS / NOTES

Push 1 had large rock not suitable for coring. Moved to ② ~~from~~ where sediment was better suited for coring.

Preparer's Initial: KCM



QA/QC by 4/18/14

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Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State: NH**	**Date: 04/01/14**

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1455/1550
Station ID #: LB-2
Weather: (Clear) Cloudy Rain Other
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): 10-15 mph S

FIELD DATA

Water Depth: 7.10 ft. Tide: Ebb Flood Low Slack (High Slack) Other NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: LB-2-A Coring Time: 1515 Penetration Depth: 125" ft. Core Recovery: 116" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: LB-2-B Coring Time: 1535 Penetration Depth: 125" ft. Core Recovery: 104" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #3

Core ID#: N/A Coring Time: 1540 Penetration Depth: 120" ft. Core Recovery: 101" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

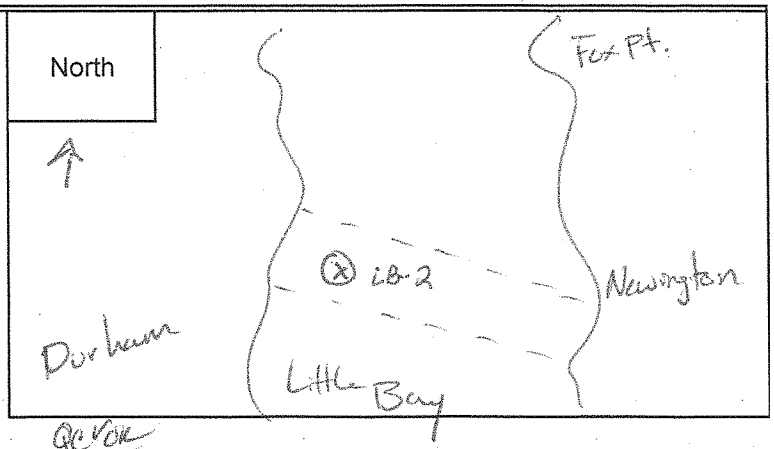
DGPS DATA

Operator: KCM
File Name: LB-2-2
Lat / N: 221337.53
Lon / E: 1197382.08
PDOP: ~~NO~~ <6
Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other ~~US STATE~~ 83
Proj.: ~~LITTLE BAY~~ NH2800
GPS Serial #: GPSXH

COMMENTS / NOTES

Push 3 did not garner as much sediment/sample as Push 1 + 2 so Push 3 was discarded.

Preparer's Initial: KCM



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Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State: NH**	**Date: 04/01/14**

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1300/1345
Station ID #: LB-3
Weather: (Clear) Cloudy Rain Other ____
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): 10-15mph S

FIELD DATA

Water Depth: 6.0 ft. Tide: Ebb (Flood) Low Slack High Slack Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: LB-3-A Coring Time: 1315 Penetration Depth: 125" ~~ft~~ Core Recovery: 122" ~~ft~~
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: LB-3-B Coring Time: 1335 Penetration Depth: 125" ~~ft~~ Core Recovery: 104" ~~ft~~
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #3

Core ID#: _____ Coring Time: N/A Penetration Depth: _____ ft. Core Recovery: _____ ft
Sample Method: Ponar / Vibracore / Piston Core / Manual Coring Material: CAB / Aluminum / SS Core Diameter (OD): 2" 3" 4"
Vibracore Type: Rossfelder / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: Y N

DGPS DATA

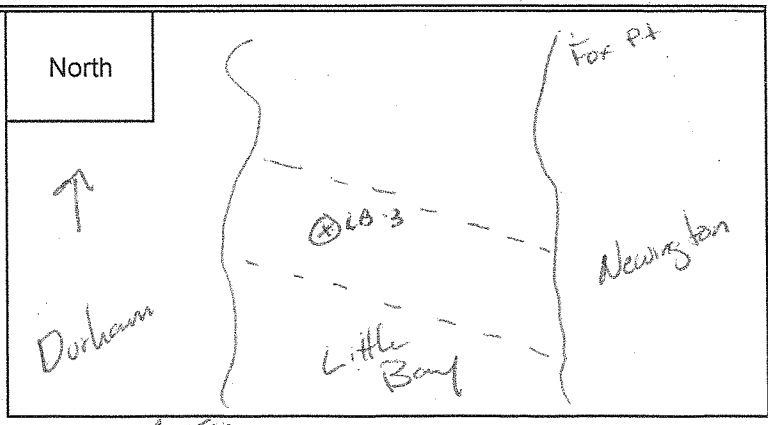
Operator: KCM
File Name: LB-3-2
Lat / (N): 221073.43
Lon / (E): 1197905.99
PDOP: <6

Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other US SURVEY 83
Proj.: ~~Little Bay~~ NH2800
GPS Serial #: GPSOXH

COMMENTS / NOTES

- Both samples cut equally in half for transport.

Preparer's Initial: KCM



Reviewed 4/22/14

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Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State:** NH	**Date:** 04/01/14

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: KCM ## 1149 / 1245
Station ID #: LB-4
Weather: (Clear) Cloudy Rain Other ____
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): 15-20 mph S

FIELD DATA

Water Depth: 4.2 ft. Tide: Ebb (Flood) Low Slack High Slack Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: LB-4-A Coring Time: 1217 Penetration Depth: 125" ~~ft~~ Core Recovery: 120" ~~ft~~
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4"
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: LB-4-B Coring Time: 1235 Penetration Depth: 125" ~~ft~~ Core Recovery: 124" ~~ft~~
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4"
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #3

Core ID#: ____ Coring Time: ____ Penetration Depth: ____ ft. Core Recovery: ____ ft
Sample Method: Ponar / Vibracore / Piston Core / Manual Coring Material: CAB / Aluminum / SS Core Diameter (OD): 2" 3" 4"
Vibracore Type: Rossfelder / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: Y N

DGPS DATA

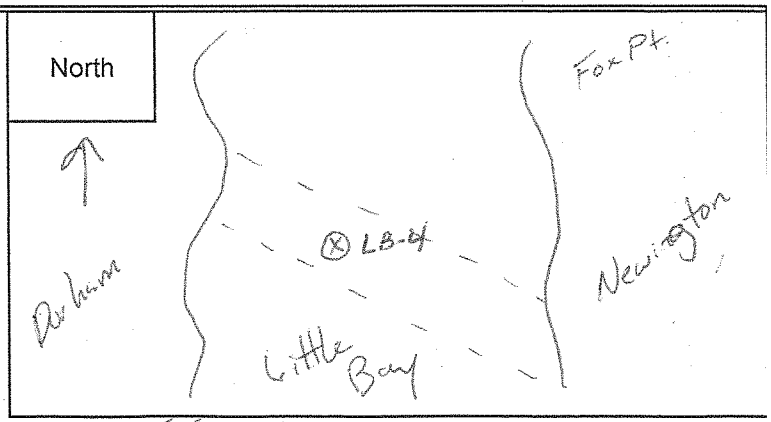
Operator: KCM
File Name: LB-4-2
Lat / N: 220762.15
Lon / E: 1198413.94
PDOP: 1.6

Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other US STATE '83
Proj.: ~~Little Bay~~ NH 2800
GPS Serial #: GEOXH

COMMENTS / NOTES

- Sled weight used to obtain desirable sample penetration + recovery.
- Both samples were cut equally in half for transport.

Preparer's Initial: KCM



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Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State: NH**	**Date: 04/01/14**

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 0930 / 1140
Station ID #: LB-5
Weather: (Clear) Cloudy Rain Other ____
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): 15-20 mph / S

FIELD DATA

Water Depth: 11.50' ft. Tide: (Ebb) Flood Low Slack High Slack Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: N/A Coring Time: 0945 Penetration Depth: 52" ft. Core Recovery: 46" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) (N)

SAMPLE/PUSH #2

Core ID#: N/A Coring Time: 1005 Penetration Depth: 50" ft. Core Recovery: 34" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) (N)

SAMPLE/PUSH #3

Core ID#: LB-5-A Coring Time: 1100 Penetration Depth: 96" ft. Core Recovery: 87" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

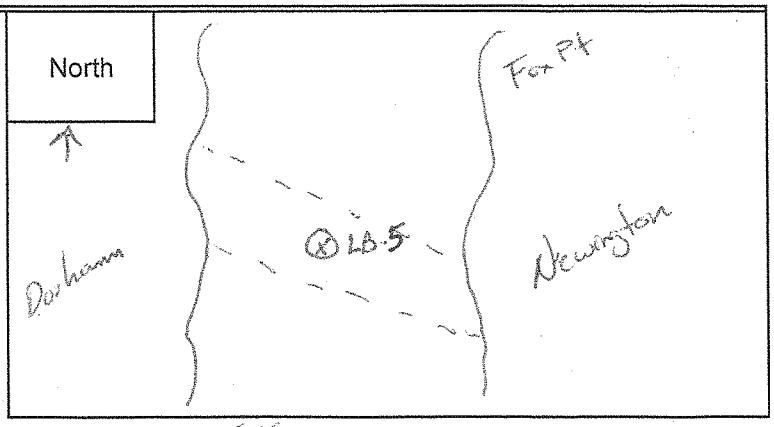
DGPS DATA

Operator: KCM
File Name: LB-5-2
Lat / (N): 220478.96
Lon / (E): 1198892.09
PDOP: <6
Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other US STATE 83
Proj.: ~~LMA Bay~~ NH2800
GPS Serial #: GEOXH

COMMENTS / NOTES

- Push 1 + 2 sled weight was not used + recovery was not suitable.
- Push 3 + 4 used sled weight and obtained better penetration + recovery.
- Both samples LB-5-A and LB-5-B were cut equally in half for transport.
- Third sample obtained on 04-03-14 per RMK. See data sheet for LB-5-C.

Preparer's Initial: KCM



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FIELD DATA SHEET

Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State:** NH	**Date:** 04/01/14

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 0930/1140
Station ID #: LB-5
Weather: (Clear) Cloudy Rain Other
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): 15-20mph/S

FIELD DATA

Water Depth: 11.50 ft. Tide: (Ebb) Flood Low Slack High Slack Other NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH ~~#1~~ #4 KCM

Core ID#: LB-5-B Coring Time: 1125 Penetration Depth: 94" ft. Core Recovery: 86" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: Coring Time: Penetration Depth: ft. Core Recovery: ft
Sample Method: Ponar / Vibracore / Piston Core / Manual Coring Material: CAB / Aluminum / SS Core Diameter (OD): 2" 3" 4"
Vibracore Type: Rossfelder / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: Y N

SAMPLE/PUSH #3

Core ID#: Coring Time: Penetration Depth: ft. Core Recovery: ft
Sample Method: Ponar / Vibracore / Piston Core / Manual Coring Material: CAB / Aluminum / SS Core Diameter (OD): 2" 3" 4"
Vibracore Type: Rossfelder / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: Y N

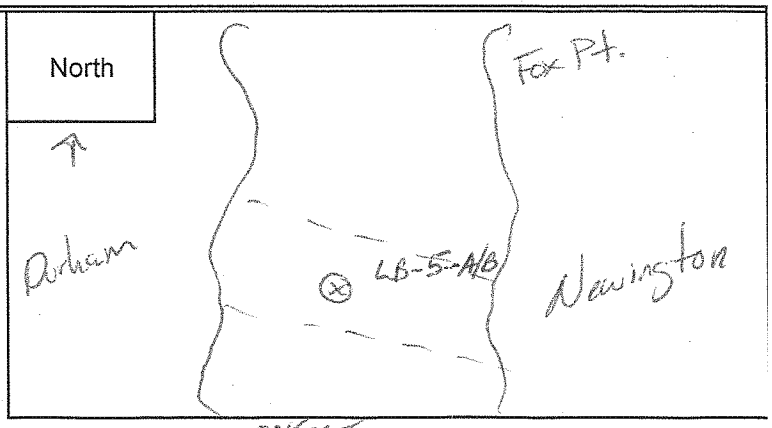
DGPS DATA

Operator: KCM
File Name: LB-5-2
Lat / N: 220478.96
Lon / E: 1198892.04
PDOP: <6

Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other US STATE-83
Proj.: ~~[illegible]~~ NH 2800
GPS Serial #: GEOXH

COMMENTS / NOTES

Preparer's Initial: KCM



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4/22/14

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FIELD DATA SHEET

Project Name:	F107 MARINE GEOTECHNICAL BORINGS		**Proj. #:** 23365.000
Site Name:	LITTLE BAY GEOTECHNICAL SURVEY		**Task #:** N/A
City: NEWINGTON	**State:** NH		**Date:** 04/03/14

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1200/1240
Station ID #: LB-5
Weather: (Clear) Cloudy Rain Other ____
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): 10-15 mph S-SW

FIELD DATA

Water Depth: 10.1 ft. Tide: Ebb (Flood) Low Slack High Slack Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: LB-5-C Coring Time: 1230 Penetration Depth: 119" ft. Core Recovery: 112.5' ft
Sample Method: Ponar (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: ____ Coring Time: ____ Penetration Depth: ____ ft. Core Recovery: ____ ft
Sample Method: Ponar / Vibracore / Piston Core / Manual Coring Material: CAB / Aluminum / SS Core Diameter (OD): 2" 3" 4"
Vibracore Type: Rossfelder / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: Y N

SAMPLE/PUSH #3

Core ID#: ____ Coring Time: ____ Penetration Depth: ____ ft. Core Recovery: ____ ft
Sample Method: Ponar / Vibracore / Piston Core / Manual Coring Material: CAB / Aluminum / SS Core Diameter (OD): 2" 3" 4"
Vibracore Type: Rossfelder / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: Y N

DGPS DATA

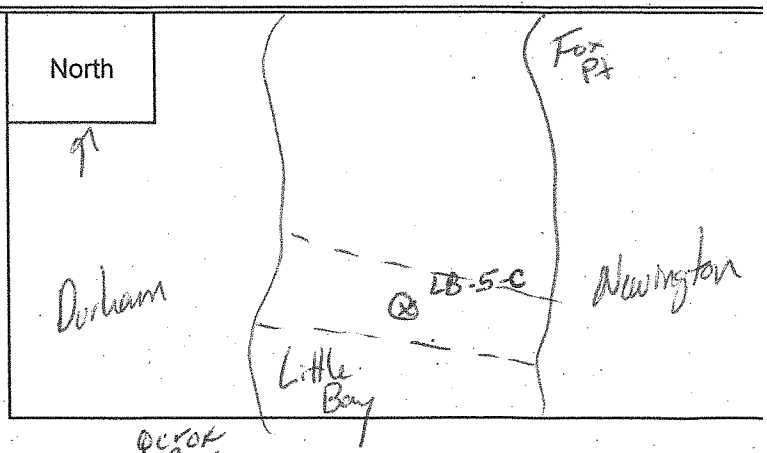
Operator: KCM
File Name: LB-5-3
Lat / (N): 220464.87
Lon / (E): 1198837.47
PDOP: 2.6

Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other US STATE 83
Proj.: ~~Little Bay~~ NH2800
GPS Serial #: GEOXH

COMMENTS / NOTES

Per RMK, returned to LB-5 ~~to~~ in attempt to obtain one 8' core. Moved sample point LB-5 more towards LB-4 for more suitable sampling location where 8' recovery could possibly be obtained.

Preparer's Initial: KCM



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Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State: NH**	**Date: 04/02/14**

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1125 | 1210
Station ID #: LB-6
Weather: (Clear) (Cloudy) Rain Other
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): KCM Calm/Variable

FIELD DATA

Water Depth: 31.10 ft. Tide: Ebb Flood (Low Slack) High Slack Other NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: LB-6-A Coring Time: 1135 Penetration Depth: 54" ft. Core Recovery: 44" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: LB-6-B Coring Time: 1150 Penetration Depth: 56" ft. Core Recovery: 49" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #3

Core ID#: N/A Coring Time: 1205 Penetration Depth: 50" ft. Core Recovery: 41" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

DGPS DATA

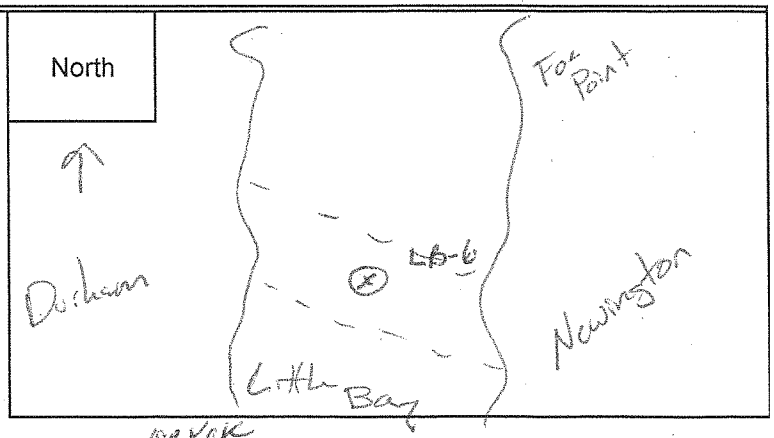
Operator: KCM
File Name: LB-6-2
Lat / (N): 220191.02
Lon / (E): 1199366.42
PDOP: <6
Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other US STATE 83
Proj.: ~~Grid Z~~ NH 2800
GPS Serial #: GPSMAP 78SC

COMMENTS / NOTES

Push 3 was conducted to try to recover more sample. Push 3 was shorter than Push 1 & 2 so Push 3 was discarded

Heavy gray clay @ bottom 4" of Push 1 and bottom 8-10" of push 2.

Preparer's Initial: KCM



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Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State: NH**	**Date: 04/02/14**

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1030/1110
Station ID #: LB-7
Weather: (Clear) Cloudy Rain Other
Photos: (Y) N Photo Nos.: N/A
Wind Conditions (Speed/Direction): Calm/Variable

FIELD DATA

Water Depth: 32.7 ft. Tide: (Ebb) Flood Low Slack High Slack Other NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: N/A Coring Time: 1045 Penetration Depth: 12" ft. Core Recovery: 0" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) (N) KCM

SAMPLE/PUSH #2

Core ID#: N/A Coring Time: 1055 Penetration Depth: 12" ft. Core Recovery: 0" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) (N) KCM

SAMPLE/PUSH #3

Core ID#: N/A Coring Time: 1107 Penetration Depth: 12" ft. Core Recovery: 0" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) (N) KCM

DGPS DATA

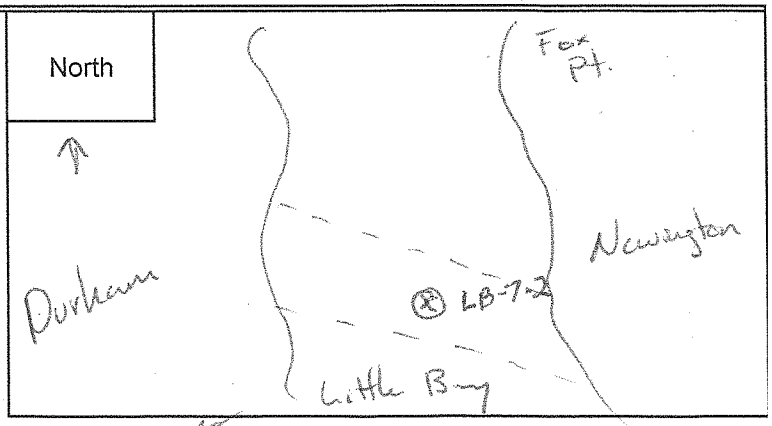
Operator: KCM
File Name: LB-7-2
Lat / N: 219929.25
Lon / E: 1199801.14
PDOP: <6

Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other ~~US STATE 83~~
Proj: ~~Little Bay~~ NH2800
GPS Serial #: GPSXH

COMMENTS / NOTES

-Push 1 tube snapped 5' from the bottom. Push 2+3 used the same tube and no sample was recovered either time. Small sediment found between core catcher + tube (see pic RCB phone) Rossfelder kept falling over after 12" penetration. Consulted RMK and moved to next sample location.

Preparer's Initial: KCM



QC'd 4/22/14

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KCM

FIELD DATA SHEET

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Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State: NH**	**Date: 04/03/14**

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1015/1055
Station ID #: LB-7
Weather: (Clear) Cloudy Rain Other ____
Photos: (Y) N Photo Nos.: N/A
Wind Conditions (Speed/Direction): 10-15mph / S-SW

FIELD DATA

Water Depth: 30.1 ft. Tide: (Ebb) Flood Low Slack High Slack Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: N/A Coring Time: 1035 Penetration Depth: 12" ft. Core Recovery: 0" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: CAB / Aluminum / SS Core Diameter (OD): 2" 3" (4"
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) (N)

SAMPLE/PUSH #2

Core ID#: N/A Coring Time: 1045 Penetration Depth: 12" ft. Core Recovery: 0" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4"
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) (N)

SAMPLE/PUSH #3

Core ID#: ____ Coring Time: ____ Penetration Depth: ____ ft. Core Recovery: ____ ft
Sample Method: Ponar / Vibracore / Piston Core / Manual Coring Material: CAB / Aluminum / SS Core Diameter (OD): 2" 3" 4"
Vibracore Type: Rossfelder / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: Y N

DGPS DATA

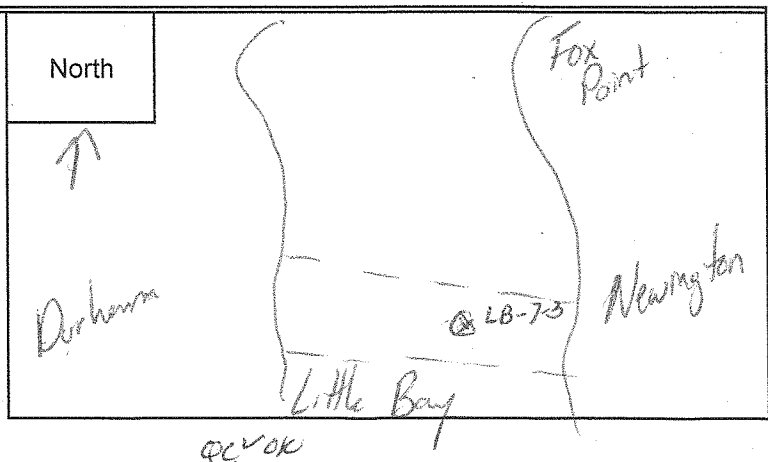
Operator: KCM
File Name: LB-7-3
Lat / (N): 219939.36
Lon / E: 1199763.20
PDOP: <6

Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other US STATE 83
Proj.: ~~Little Bay~~ NH2800
GPS Serial #: GPSMAP

COMMENTS / NOTES

- Per RMK, revisited site LB-7 but moved more towards LB-6 to get sample.
- Push 1 recovered small sticks + debris between tube + core catcher (pic on RLB phone)
- Push two had similar recovery as Push 1.
- Moved location closer to LB-6 again @ another attempt @ recovery.

Preparer's Initial: KCM



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FIELD DATA SHEET

Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State: NH**	**Date: 04/03/14**

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1057/1200
Station ID #: LB-7
Weather: (Clear) Cloudy Rain Other ____
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): 10-15 mph / S-SW

FIELD DATA

Water Depth: 31.6 ft. Tide: (Ebb) Flood Low Slack High Slack Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: LB-7-A Coring Time: 1110 Penetration Depth: 66" ft. Core Recovery: 63.5" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: N/A Coring Time: 1120 Penetration Depth: 0" ft. Core Recovery: 0" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) (N) KCM

SAMPLE/PUSH #3

Core ID#: LB-7-B Coring Time: 1150 Penetration Depth: 65" ft. Core Recovery: 63" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

DGPS DATA

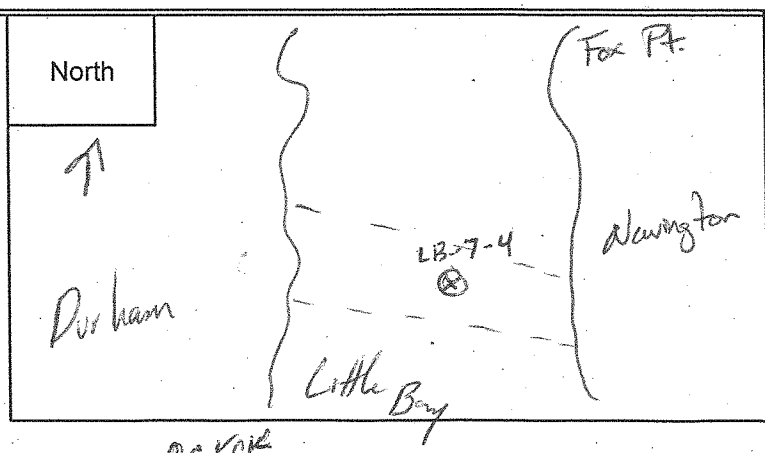
Operator: KCM
File Name: LB-7-4
Lat / (N): 220010.70
Lon / (E): 1199716.02
PDOP: <6

Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other US STATE 83
Proj.: ~~Little Bay~~ NH2800
GPS Serial #: GEOXH

COMMENTS / NOTES

- Per RMK moved LB-7 more towards LB-6 to get sample desired.
- Push 1 bottom 1-2" was gray clay
- Push 2 washed out + no sample was obtained.
- Push 3 bottom 1-2" was gray clay

Preparer's Initial: KCM



QC KCM 4/22/14

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FIELD DATA SHEET

Project Name:	F107 MARINE GEOTECHNICAL BORINGS	Proj. #: 23365.000
Site Name:	LITTLE BAY GEOTECHNICAL SURVEY	Task #: N/A
City: NEWINGTON	State: NH	Date: 04/02/14

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 0835 / 0940
Station ID #: LB-8
Weather: (Clear) Cloudy Rain Other ____
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): Calm / Variable

FIELD DATA

Water Depth: 26.0 ft. Tide: Ebb Flood (Low Slack) High Slack Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: LB-8-A Coring Time: 0900 Penetration Depth: 35" ~~ft.~~ Core Recovery: 29" ~~ft~~
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: LB-8-B Coring Time: 0915 Penetration Depth: 35" ~~ft.~~ Core Recovery: 29" ~~ft~~
Sample Method: Ponar (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #3

Core ID#: N/A Coring Time: 0935 Penetration Depth: 35" ~~ft.~~ Core Recovery: 27" ~~ft~~
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: ~~Y~~ ~~N~~ KCM KCM (Yes)

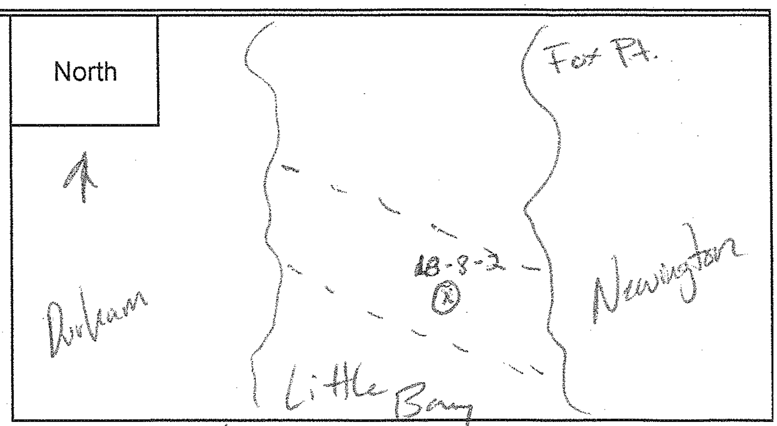
DGPS DATA

Operator: KCM
Coordinate Units: Lat/Lon (US Survey Feet)
File Name: LB-8-2
Datum: (Y) N Other US STATE 83
Lat / (N): 214648.53
Proj.: ~~Little B~~ NH 2800
Lon / (E): 1200261.75
GPS Serial #: GEOXH
PDOP: <6

COMMENTS / NOTES

Push 1+2 hit refusal @ 35".
Push 3 performed to see if better recovery could be obtained. Push 3 recovery was less than 1+2. Push 3 contents was discarded.

Preparer's Initial: KCM



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FIELD DATA SHEET

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Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State: NH**	**Date: 04/02/14**

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1225/1320
Station ID #: LB-9
Weather: (Clear) Cloudy Rain Other ____
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): Calm/Variable

FIELD DATA

Water Depth: 14.90 ft. Tide: Ebb (Flood) Low Slack High Slack Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: LB-9-A Coring Time: 1240 Penetration Depth: 104" ft. Core Recovery: 97" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: LB-9-B Coring Time: 1255 Penetration Depth: 105" ft. Core Recovery: 99.5" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #3

Core ID#: N/A Coring Time: 1305 Penetration Depth: 104" ft. Core Recovery: 95" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

DGPS DATA

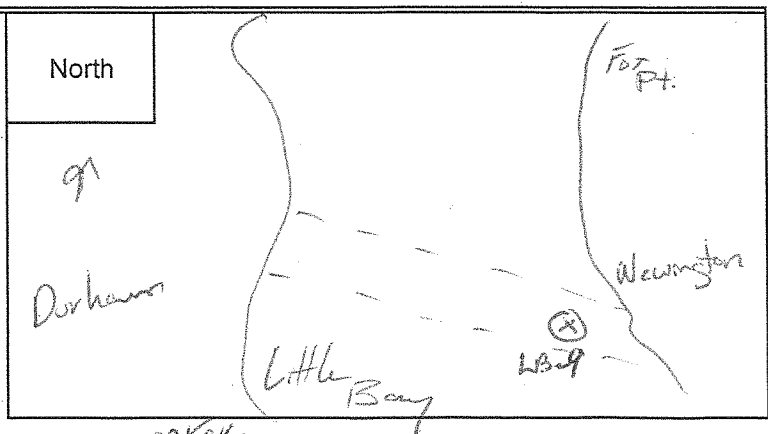
Operator: KCM
File Name: LB-9-2
Lat / (N): 219410.61
Lon / E: 1200577.88
PDOP: <6

Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other NAD 83 NSRS/AIE 83
Proj.: ~~Little Bay~~ NH2800
GPS Serial #: GEOXH

COMMENTS / NOTES

Push 3 taken to get more recovery but more recovery was not obtained in comparison to Push 1 & 2. Push 3 was discarded

Preparer's Initial: KCM



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FIELD DATA SHEET

Project Name: F107 MARINE GEOTECHNICAL BORINGS	**Proj. #:** 23365.000
Site Name: LITTLE BAY GEOTECHNICAL SURVEY	**Task #:** N/A
City: NEWINGTON **State:** NH	**Date:** 04/02/14

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1325/1415
Station ID #: LB-10
Weather: (Clear) Cloudy Rain Other ____
Photos: (Y) N Photo Nos.: N/A
Wind Conditions (Speed/Direction): Calm/Variable

FIELD DATA

Water Depth: 5.0 ft. Tide: Ebb Flood Low Slack (High Slack) Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: LB-10-A Coring Time: 1340 Penetration Depth: 15" ~~ft.~~ Core Recovery: 12" ~~ft~~
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: N/A Coring Time: 1350 Penetration Depth: 10" ~~ft.~~ Core Recovery: 8" ~~ft~~
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #3

Core ID#: N/A Coring Time: 1355 Penetration Depth: 11" ~~ft.~~ Core Recovery: 0" ~~ft~~
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

DGPS DATA

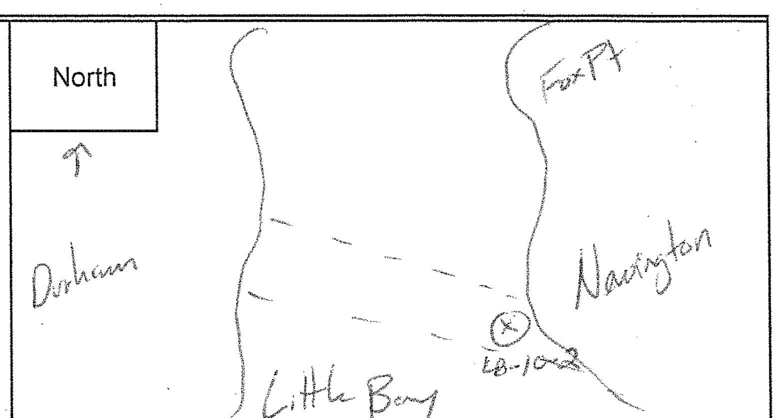
Operator: KCM
Coordinate Units: Lat/Lon (US Survey Feet)
File Name: LB-10-2
Datum: (Y) N Other ~~US STATE~~ 83
Lat / (N): 219236.71
Proj.: ~~Little Bay~~ NH2800
Lon / (E): 1200947.24
GPS Serial #: WEOXH
PDOP: <6

COMMENTS / NOTES

Push 1 hit large gravel/refusal @ 15".
Push 2 hit large gravel @ 7-8" (see RCB pic) and washed out upon recovery.
Push 3 washed out + nothing was recovered.
Push 4 recovered 9" + was kept for analysis.

-Per RMK re-visited this site 04-03-14 + moved 50' from shore to recover more sample. See data sheet for more info.

Preparer's Initial: KCM



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FIELD DATA SHEET

Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State: NH**	**Date: 04/08/14**

Field Team Leader(s): RCB — Field Team Safety Coordinator: KCM

Field Crew: KCM, — Arrival & Departure Times: 1325/1415

Station ID #: LB-10 — Weather: (Clear) Cloudy Rain Other ____

Photos: (Y) N — Photo Nos.: N/A — Wind Conditions (Speed/Direction): Calm/Variable

FIELD DATA

Water Depth: 5.0 ft. — Tide: Ebb Flood Low Slack (High Slack) Other ____ NA

PID: N/A — Redox Potential: N/A — pH: N/A — H^2O Temp.: N/A — Air Temp.: N/A

SAMPLE/PUSH #1 4

Core ID#: LB-10-B — Coring Time: 1405 — Penetration Depth: 10" ft. — Core Recovery: 9" ft

Sample Method: Ponar / (Vibracore) / Piston Core / Manual — Coring Material: (CAB) / Aluminum / SS — Core Diameter (OD): 2" 3" (4")

Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA — Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: ____ — Coring Time: ____ — Penetration Depth: ____ ft. — Core Recovery: ____ ft

Sample Method: Ponar / Vibracore / Piston Core / Manual — Coring Material: CAB / Aluminum / SS — Core Diameter (OD): 2" 3" 4"

Vibracore Type: Rossfelder / PVL / Portable Clamp-on / NA — Sampling Equipment Deconned or Replaced: Y N

SAMPLE/PUSH #3

Core ID#: ____ — Coring Time: ____ — Penetration Depth: ____ ft. — Core Recovery: ____ ft

Sample Method: Ponar / Vibracore / Piston Core / Manual — Coring Material: CAB / Aluminum / SS — Core Diameter (OD): 2" 3" 4"

Vibracore Type: Rossfelder / PVL / Portable Clamp-on / NA — Sampling Equipment Deconned or Replaced: Y N

N/A

DGPS DATA

Operator: KCM — Coordinate Units: Lat/Lon (US Survey Feet)

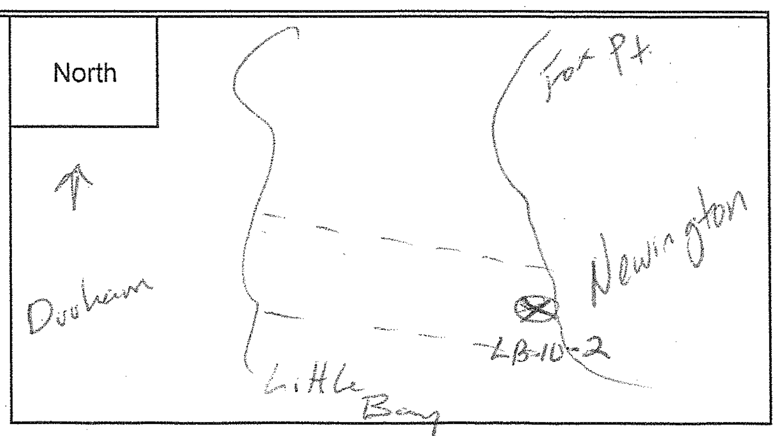
File Name: LB-10-2 — Datum: (Y) N Other US STATE

Lat / (N): 219236.71 — Proj.: NH 2800

Lon / (E): 1200947.24 — GPS Serial #: GEOXH

PDOP: <6

COMMENTS / NOTES



Preparer's Initial: KCM

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FIELD DATA SHEET

Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State:** NH	**Date:** 04/03/14

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1251/1330
Station ID #: LB-10
Weather: (Clear) Cloudy Rain Other ____
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): 10-15mph/S-SW

FIELD DATA

Water Depth: 5.2 ft. Tide: Ebb (Flood) Low Slack High Slack Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: LB-10-C Coring Time: 1305 Penetration Depth: 45" ft. Core Recovery: 45" ft
Sample Method: Ponar (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: LB-10-D Coring Time: 1320 Penetration Depth: 45" ft. Core Recovery: 44" ft
Sample Method: Ponar (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #3

Core ID#: ____ Coring Time: ____ Penetration Depth: ____ ft. Core Recovery: ____ ft
Sample Method: Ponar / Vibracore / Piston Core / Manual Coring Material: CAB / Aluminum / SS Core Diameter (OD): 2" 3" 4"
Vibracore Type: Rossfelder / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: Y N

DGPS DATA

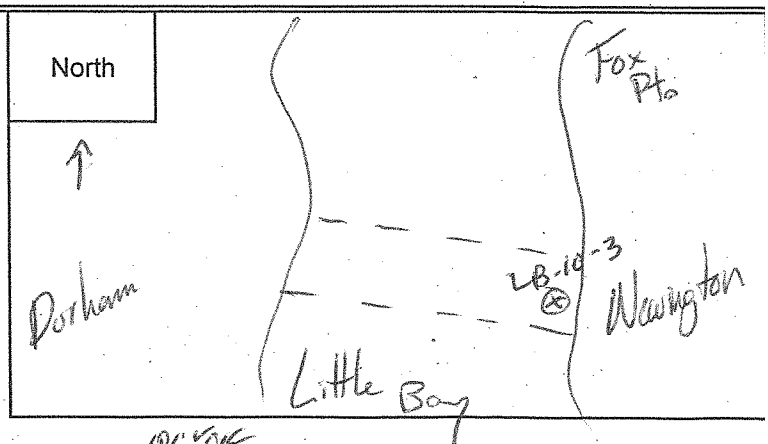
Operator: KCM
File Name: LB-10-3
Lat / (N): 219768.16
Lon / E: 1200908.14
PDOP: <6

Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (NAD) N Other VSSTATE83
Proj.: NH2800
GPS Serial #: GEOXH

COMMENTS / NOTES

Per RMK, re-visited LB-10 but stepped off 50' from original location towards LB-9 to obtain more sample.

Preparer's Initial: KCM



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FIELD DATA SHEET

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Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State: NH**	**Date: 04/02/14**

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1435 / 1521
Station ID #: LB-11
Weather: (Clear) Cloudy Rain Other ____
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): Calm / Variable

FIELD DATA

Water Depth: 7.30 ft. Tide: Ebb (Flood) Low Slack High Slack Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: LB-11-A Coring Time: 1450 Penetration Depth: 123" ft. Core Recovery: 113" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: LB-11-B Coring Time: 1510 Penetration Depth: 124" ft. Core Recovery: 103" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #3

Core ID#: N/A Coring Time: 1515 Penetration Depth: 123" ft. Core Recovery: 101" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

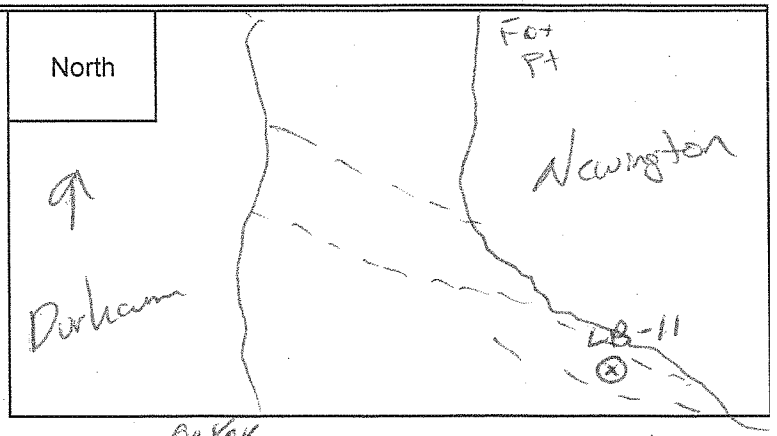
DGPS DATA

Operator: KCM
File Name: LB-11-2
Lat / (N): 218091.58
Lon / (E): 1201230.22
PDOP: <6
Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other US STATE 83
Proj.: ~~Little Bay~~ NH2800
GPS Serial #: GEOXH

COMMENTS / NOTES

- Push 3 did not recover as much sample as Push 1+2 so Push 3 was discarded.
- Grey clay @ bottom 1-2" Push 1 and bottom 2" of Push 2. Also present @ bottom 1" of Push 3.
- Stk 11 is in cove of proposed #2 line.

Preparer's Initial: KCM



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RM
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FIELD DATA SHEET

Page 1 of 2

Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State:** NH	**Date:** 04/02/14

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1525 / 1610
Station ID #: LB-12
Weather: (Clear) Cloudy Rain Other ____
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): Calm / Variable

FIELD DATA

Water Depth: 7.3 ft. Tide: Ebb (Flood) Low Slack High Slack Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: LB-12-A Coring Time: 1535 Penetration Depth: 54" ft. Core Recovery: 47" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: LB-12-B Coring Time: 1550 Penetration Depth: 54" ft. Core Recovery: 46" ft
Sample Method: Ponar / (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #3

Core ID#: ____ Coring Time: ____ Penetration Depth: ____ ft. Core Recovery: ____ ft
Sample Method: Ponar / Vibracore / Piston Core / Manual Coring Material: CAB / Aluminum / SS Core Diameter (OD): 2" 3" 4"
Vibracore Type: Rossfelder / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: Y N

DGPS DATA

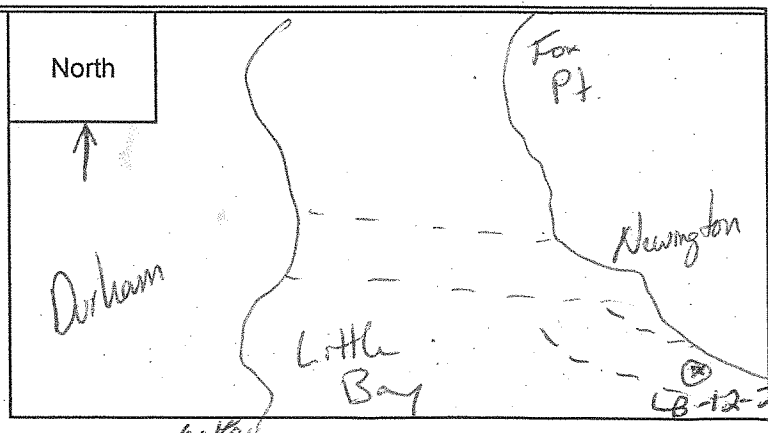
Operator: KCM
File Name: LB-12-2
Lat / N: 217733.74
Lon / E: 1201723.36
PDOP: 2.6

Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other NAD83 NH2800
Proj.: ~~Little Bay~~
GPS Serial #: GEOXH

COMMENTS / NOTES

Ht refusal on both Push 1+2 @ 54".

Preparer's Initial: KCM



GeoK 4/22/14

NORMANDEAU
environmental consultants

ATTACHMENT B
rev:06/13

FIELD DATA SHEET

Project Name:	**F107 MARINE GEOTECHNICAL BORINGS**	**Proj. #: 23365.000**
Site Name:	**LITTLE BAY GEOTECHNICAL SURVEY**	**Task #: N/A**
City: NEWINGTON	**State:** NH	**Date:** 04/03/14

Field Team Leader(s): RCB
Field Team Safety Coordinator: KCM
Field Crew: KCM,
Arrival & Departure Times: 1430/1530
Station ID #: LB-12
Weather: (Clear) Cloudy Rain Other ____
Photos: Y (N) Photo Nos.: N/A
Wind Conditions (Speed/Direction): 15-20mph / S-SW

FIELD DATA

Water Depth: 4.8 ft. Tide: Ebb Flood Low Slack (High Slack) Other ____ NA
PID: N/A Redox Potential: N/A pH: N/A H^2O Temp.: N/A Air Temp.: N/A

SAMPLE/PUSH #1

Core ID#: N/A Coring Time: 1445 Penetration Depth: 50" ft. Core Recovery: 45" ft
Sample Method: Ponar (Vibracore) Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #2

Core ID#: N/A Coring Time: 1500 Penetration Depth: 53" ft. Core Recovery: 46" ft
Sample Method: Ponar (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

SAMPLE/PUSH #3

Core ID#: N/A Coring Time: 1515 Penetration Depth: 54" ft. Core Recovery: KCM 43 46" ft
Sample Method: Ponar (Vibracore) / Piston Core / Manual Coring Material: (CAB) / Aluminum / SS Core Diameter (OD): 2" 3" (4")
Vibracore Type: (Rossfelder) / PVL / Portable Clamp-on / NA Sampling Equipment Deconned or Replaced: (Y) N

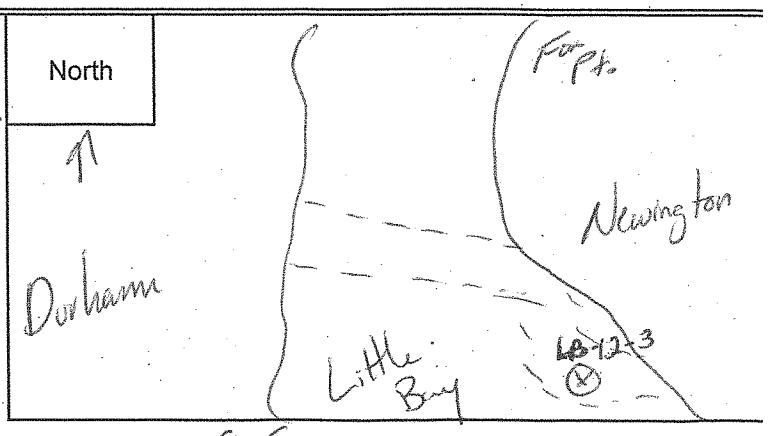
DGPS DATA

Operator: KCM
File Name: LB-12-3
Lat / N: 217744.86
Lon / E: 1201729.98
PDOP: <6
Coordinate Units: Lat/Lon (US Survey Feet)
Datum: (Y) N Other USSTATE 83
Proj.: ~~Little Bay~~ NH2800
GPS Serial #: UEOXH

COMMENTS / NOTES

Per RMK, revisited LB-12 and moved towards LB-11 to try to obtain larger sample. Sample lengths were similar to what was obtained @ original LB-12. Samples were discarded.

Preparer's Initial: KCM



QC KCM RMW 4/22/14

PROJECT NUMBER	BORING NUMBER
23365.000	LB-1-A SHEET 1 OF 1

Normandeau Soil Boring Log

PROJECT : **F107 Marine Geotechnical Borrings** LOCATION : Little Bay, NH

ELEVATION : NA DRILLING CONTRACTOR : **Normandeau Associates**

DRILLING METHOD AND EQUIPMENT USED : **Rossfelder P3 Vibracore** Coll date: 4/01/14

WATER LEVELS : ~~5.40 MFt~~, 7.5 FT START : NA END : NA LOGGER : MKM

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	Pocket Penetrometer TEST RESULTS (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0"				12" 0.016 Tons/ft²	Homogeneous throughout, very soft to soft, color: 1 for gley, 3/10Y very wet to wet, High plasticity, cohesive clay with silt	
				24" 0.094 Tons/ft²		
				36" 0.094 Tons/ft²		
				48" 0.094 Tons/ft²		
				60" 0.094 Tons/ft²		
				72" 0.094 Tons/ft²		
				84" 0.094 Tons/ft²		
94"				94" 0.125 Tons/ft²		

@ CWOR 4/30/14

PROJECT NUMBER	BORING NUMBER
23365.000	LB-2-B SHEET 1 OF 1

Normandeau Soil Boring Log

PROJECT : **F107 Marine Geotechnical Borrings** LOCATION : Little Bay, NH

ELEVATION : NA DRILLING CONTRACTOR : **Normandeau Associates**

DRILLING METHOD AND EQUIPMENT USED : **Rossfelder P3 Vibracore** Coll date: 4/01/14

WATER LEVELS : 7.10 ft START : NA END : NA LOGGER : MKM

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	Pocket Penetrometer TEST RESULTS (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0"				12" 0.0 Tons/ft²	Homogeneous throughout, Very soft to soft, Color: 1 for Gley, 3/10Y, Very wet to wet, High plasticity, cohesive, Clay with silt	
				24" 0.031 Tons/ft²		
				36" 0.031 Tons/ft²		
				48" 0.094 Tons/ft²		
				60" 0.063 Tons/ft²		
				72" 0.063 Tons/ft²		
				84" 0.063 Tons/ft²		
				96" 0.094 Tons/ft²		
104"						

QC'd OK 4/22/14

PROJECT NUMBER	BORING NUMBER	
23365.000	LB-3-B	SHEET 1 OF 1

Normandeau Soil Boring Log

PROJECT : **F107 Marine Geotechnical Borrings** LOCATION : Little Bay, NH

ELEVATION : NA DRILLING CONTRACTOR : **Normandeau Associates**

DRILLING METHOD AND EQUIPMENT USED : **Rossfelder P3 Vibracore** coll. date: 4/01/14

WATER LEVELS : 6.0 ft START : NA END : NA LOGGER : MKM

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	Pocket Penetrometer TEST RESULTS (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0"				12" 0.0 Tons/ft²	Homogeneous throughout, Very soft to soft Very wet to wet, Color: 1/ for Gley, 3/10Y High plasticity, cohesive clay with silt	
				24" 0.047 Tons/ft²		
				36" 0.094 Tons/ft²		
				48" 0.094 Tons/ft²		
				60" 0.063 Tons/ft²		
				72" 0.063 Tons/ft²		
				84" 0.078 Tons/ft²		
				96" 0.078 Tons/ft²		
104"						

NAI-Boring Log Form-6/05

& cover 4/02/14

PROJECT NUMBER	BORING NUMBER	
23365.000	LB-4-A	SHEET 1 OF 1

Normandeau Soil Boring Log

PROJECT : **F107 Marine Geotechnical Borrings** LOCATION : Little Bay, NH

ELEVATION : NA DRILLING CONTRACTOR : **Normandeau Associates**

DRILLING METHOD AND EQUIPMENT USED : **Rossfelder P3 Vibracore** Coll date: 4/01/14

WATER LEVELS : 4.2 ft START : NA END : NA LOGGER : MKM

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	Pocket Penetrometer TEST RESULTS (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0"				12" 0.141 Tons/ft²	Homogeneous throughout. Soft throughout. Wet. Color: 1 for Gley, 3/10Y. High plasticity, cohesive. clay with silt and trace fine sands	
				24" 0.125 Tons/ft²		
				36" 0.109 Tons/ft²		
				48" 0.219 Tons/ft²		
				60" 0.125 Tons/ft²		
				72" 0.047 Tons/ft²		
				84" 0.109 Tons/ft²		
				96" 0.109 Tons/ft²		
				108" 0.109 Tons/ft²		
				120" 0.156 Tons/ft²		
120"						

QC'd 4/22/14

PROJECT NUMBER	BORING NUMBER	
23365.000	LB-5-B	SHEET 1 OF 1

Normandeau Soil Boring Log

PROJECT : **F107 Marine Geotechnical Borrings** LOCATION : Little Bay, NH

ELEVATION : NA DRILLING CONTRACTOR : **Normandeau Associates**

DRILLING METHOD AND EQUIPMENT USED : **Rossfelder P3 Vibracore** coll date: 4/01/14

WATER LEVELS : 11.5 ft START : NA END : NA LOGGER : MKM

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	Pocket Penetrometer TEST RESULTS (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0"				12" 0.125 Tons/ft²	Homogeneous throughout, soft throughout, wet, Colors: 1 for Gley, 3/10Y, High Plasticity, cohesive clay with silt and trace fine sands	
				24" 0.109 Tons/ft²		
				36" 0.141 Tons/ft²		
				48" 0.141 Tons/ft²		
				60" 0.125 Tons/ft²		
				72" 0.109 Tons/ft²		
				84" 0.141 Tons/ft²		
86"						

MKM 4/22/14

PROJECT NUMBER	BORING NUMBER	
23365.000	LB-6-A	SHEET 1 OF 1

Normandeau Soil Boring Log

PROJECT : **F107 Marine Geotechnical Borrings** LOCATION : Little Bay, NH

ELEVATION : NA DRILLING CONTRACTOR : **Normandeau Associates**

DRILLING METHOD AND EQUIPMENT USED : **Rossfelder P3 Vibracore** coll date: 4/02/14

WATER LEVELS : 31.10 ft START : NA END : NA LOGGER : MKM

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	Pocket Penetrometer TEST RESULTS (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0"				12" 0.281 Tons/ft²	Homogenous throughout, stiff throughout, moist, color: 1' for 6ley, 3/5GY low plasticity, cohesive fine to medium grain sand with small amount of clay and silt	
				24" 0.172 Tons/ft²		
				36" * >0.281 Tons/ft²		
44"						

NAI-Boring Log Form-6/05

* Maxed out pocket Penetrometer

QC'ed 4/22/14

PROJECT NUMBER	BORING NUMBER	
23365.000	LB-7-B	SHEET 1 OF 1

Normandeau Soil Boring Log

PROJECT : **F107 Marine Geotechnical Borrings** LOCATION : Little Bay, NH

ELEVATION : NA DRILLING CONTRACTOR : **Normandeau Associates**

DRILLING METHOD AND EQUIPMENT USED : **Rossfelder P3 Vibracore** Coll date : 4/03/14

WATER LEVELS : 3\|.6 ft START : NA END : NA LOGGER : MKM

DEPTH BELOW SURFACE (FT) / INTERVAL (FT) / RECOVERY (FT) / #/TYPE	Pocket Penetrometer TEST RESULTS (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0"	12" * >0.281 Tons/ft²	Soft, Moist fine to medium grain sand, some small amount of clay and silt, low plasticity, cohesive	
19"	24" 0.047 Tons/ft²	Color: 10yr Gley, 2.5/N	
	36" 0.047 Tons/ft²	Soft, Moist, Medium plasticity, cohesive, clay with silt	
	48" 0.047 Tons/ft²	Color: 10yr Gley, 4/10Y	
	60" 0.125 Tons/ft²		
63"			

NAI-Boring Log Form-6/05

* MAXED OUT POCKET PENETROMETER

GCR 4/22/14

PROJECT NUMBER	BORING NUMBER	
23365.000	LB-8-B	SHEET 1 OF 1

Normandeau Soil Boring Log

PROJECT : **F107 Marine Geotechnical Borrings** LOCATION : Little Bay, NH

ELEVATION : NA DRILLING CONTRACTOR : **Normandeau Associates**

DRILLING METHOD AND EQUIPMENT USED : **Rossfelder P3 Vibracore** coll date: 4/02/14

WATER LEVELS : 26.0 ft START : NA END : NA LOGGER : MKM

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	Pocket Penetrometer TEST RESULTS (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0"				7" * >0.281 Tons/ft²	Medium stiffness, fine to medium grain sands, small amount of clay and silt Color: 1 for Gley, 2.5/10Y low plasticity, cohesive, moist	
15"				18" 0.219 Tons/ft²	Soft, moist, medium plasticity cohesive, fine grain sand and clay, Color: 1 for Gley, 3/10Y shell fragments present	
22"				25" * >0.281 Tons/ft²	Medium stiffness, damp high plasticity, cohesive, Color: 2 for Gley, 5/10BG clay	
29"						

NAI-Boring Log Form-6/05

* Maxed out pocket Penetrometer

QC'd MK 4/22/14

PROJECT NUMBER	BORING NUMBER	
23365.000	LB-9-A	SHEET 1 OF 1

Normandeau Soil Boring Log

PROJECT : **F107 Marine Geotechnical Borrings** LOCATION : Little Bay, NH

ELEVATION : NA DRILLING CONTRACTOR : **Normandeau Associates**

DRILLING METHOD AND EQUIPMENT USED : **Rossfelder P3 Vibracore** Coll date: 4/02/14

WATER LEVELS : 14.90 ft START : NA END : NA LOGGER : MKM

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	Pocket Penetrometer TEST RESULTS (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0"				12" 0.234 Tons/ft²	Medium stiffness, moist low plasticity, cohesive, fine to medium grain sand with small part of clay and silt Color: 1 for Gley, 3/10Y	
				24" 0.094		
22"				Tons/ft² 36" 0.125	Soft, moist, medium plasticity, cohesive Color: 1 for Gley, 4/10Y	
				Tons/ft² 48" 0.125	Clay with silt, minor shell fragments throughout	
				Tons/ft² 60" 0.078		
				Tons/ft² 72" 0.078		
				Tons/ft² 84" 0.109		
				Tons/ft 96" 0.125		
97"				Tons/ft²		

QC'd 4/22/14

PROJECT NUMBER	BORING NUMBER	
23365.000	LB-10-B	SHEET 1 OF 1

Normandeau Soil Boring Log

PROJECT : **F107 Marine Geotechnical Borrings** LOCATION : Little Bay, NH

ELEVATION : NA DRILLING CONTRACTOR : **Normandeau Associates**

DRILLING METHOD AND EQUIPMENT USED : **Rossfelder P3 Vibracore** coll date: 4/03/14

WATER LEVELS : 5.2 ft START : NA END : NA LOGGER : MKM

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	Pocket Penetrometer TEST RESULTS (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0"				12" * >0.281 Tons/ft²	Stiff, moist, low plasticity, cohesive, fine to medium grain sand with small amount of silt	
				24" * >0.281 Tons/ft²	One "live" clam	
				36" * >0.281 Tons/ft²	Color: 10yr 6/4 grey 3/10Y	
					Homogeneous throughout	
44"						

NAI-Boring Log Form-6/05

* Maxed out pocket Penetrometer

QC'd OK RW 11/22/14

PROJECT NUMBER	BORING NUMBER	
23365.000	LB-11-B	SHEET 1 OF 1

Normandeau Soil Boring Log

PROJECT : **F107 Marine Geotechnical Borrings** LOCATION : Little Bay, NH

ELEVATION : NA DRILLING CONTRACTOR : **Normandeau Associates**

DRILLING METHOD AND EQUIPMENT USED : **Rossfelder P3 Vibracore** Coll date: 4/02/14

WATER LEVELS : 7.30 ft START : NA END : NA LOGGER : MKM

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	Pocket Penetrometer TEST RESULTS (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0'				12" * >0.281 Tons/ft²	Medium Stiffness, Moist, Medium plasticity, Cohesive Clay and fine grain Sand with Silt Color 10yr 6/4, 3/10Y Homogeneous throughout	
				24" * >0.281 Tons/ft²		
				36" 0.344 Tons/ft²		
				48" * >0.281 Tons/ft²		
				60" * >0.281 Tons/ft²		
				72" * >0.281 Tons/ft²		
				84" * >0.281 Tons/ft²		
				96" * >0.281 Tons/ft²		
103'						

*MAXED OUT POCKET PENETROMETER.

QC'd OK MK 4/22/14

PROJECT NUMBER	BORING NUMBER	
23365.000	LB-12-B	SHEET 1 OF 1

Normandeau Soil Boring Log

PROJECT : **F107 Marine Geotechnical Borrings** LOCATION : Little Bay, NH

ELEVATION : NA DRILLING CONTRACTOR : **Normandeau Associates**

DRILLING METHOD AND EQUIPMENT USED : **Rossfelder P3 Vibracore** Coll date: 4/02/14

WATER LEVELS : 7.30 ft START : NA END : NA LOGGER : MKM

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (FT)	#/TYPE	Pocket Penetrometer TEST RESULTS (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0"				12" 0.031 Tons/ft²	Very soft, wet High plasticity, cohesive Clay and silt with minor shell fragments Color: Hue Gley, 3/10Y	
				24" * >0.281 Tons/ft²		
18"				36" * >0.281 Tons/ft²	Stiff, Damp Low plasticity, cohesive Fine to medium grain sand, with little clay and silt, minor woody debris and shell fragments Color: Hue Gley, 4/10Y	
46"						

* MAKE OUT POCKET PENETROMETER

QC'd OK 4/22/14