

Douglas Harbor  
November 2008

Core Field Log and Processing Photos: Composite 1



# Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER	RECORDER
STATION ID			NAV DATUM	LATITUDE	LONGITUDE
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE
PND07-01			84	58° 16.513	134° 23.131
4 of 1	3:03	15:10	22	16	-6
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)
-14		8	8	10 1/2	4"
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY
8.5	16 1/2		10.5		10.5
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	Primarily sand	Slight Sulfur odor	Black, shell debris	Large cobble 4"
2	2	medium coarse sand clay			
3	3				
0 - 3' 1"				564 4/1	
4	4	Sand intermix in hard pack			
5	5	clay			
6	6	hard patty salt/clay		564-6/1	
7	7				
8	8				
9	9				
10	10	hard patty salt+clay			40 11'

NOTES: ~ 3.5' from end A over A float fence



PND07-01 Sec A



PND07-01 Sec B



PND07-01 Sec C



PND07-01 - Sec C close-up



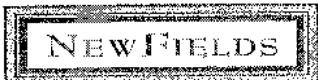
PND07-01 - Two Composites



PND07-01 - Sec D



PND07-01 - Sec D Close-up



# Piston Core / BoxCore CORING LOG

PROJECT/SURVEY <i>Douglas harbor</i>			DATE <i>11/17/08</i>	PROJECT MANAGER <i>in Pinza</i>	RECORDER <i>AS</i>	
STATION ID <i>PNDOZ-01</i>		NAV DATUM <i>84</i>	LATITUDE <i>50° 16.5' S</i>	LONGITUDE <i>134° 23.1' E</i>		
ATTEMPT <i>1 of</i>	TIME STARTED <i>2:34</i>	TIME FINISHED	WATER DEPTH (FT) <i>12</i>	TIDE (FT) <i>+15</i>	MLLW (FT) = WATER DEPTH - TIDE <i>+3</i>	
SAP DEPTH (FT) <i>-14</i>	SAP DEPTH - MLLW <i>17 (attempting 14')</i>		TARGET CORE LENGTH (FT) <i>14</i>	FINAL CORE LENGTH (FT) <i>0</i>	CORE DIAMETER (IN) <i>4"</i>	
START TAPE (FT) <i>-4</i>	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1					
2	2					
3	3			<i>fucus</i>		
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

NOTES

*refusal last tip moved the boat*

*NW-ish*

NEW FIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY Douglas Harbor			DATE 11/17	PROJECT MANAGER M. Pizzi		RECORDER AS
STATION ID PND 67-C1		NAV DATUM 84	LATITUDE 58° 16.510		LONGITUDE 134.23128	
ATTEMPT 2 of	TIME STARTED	TIME FINISHED	WATER DEPTH (FT) 19.4	TIDE (FT) 1.5	MLLW (FT) = WATER DEPTH - TIDE -4	
SAP DEPTH (FT) -14	SAP DEPTH - MLLW 10		TARGET CORE LENGTH (FT) 10	FINAL CORE LENGTH (FT) 0	CORE DIAMETER (IN) 4"	
START TAPE (FT) 4	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START			RECOVERY
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1					
2	2					
3	3					
4	4		Refusal			
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

NOTES

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NEW FIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY <i>Douglas Harbor</i>		DATE 11-17	PROJECT MANAGER M Pinza	RECORDER AS		
STATION ID PN007.01		NAV BATUM 84	LATITUDE 58 16.517	LONGITUDE 134 23.129		
ATTEMPT 3	TIME STARTED 2:50	TIME FINISHED 14 58	WATER DEPTH (FT) 16	TIDE (FT) 16		
SAP DEPTH (FT) -14	SAP DEPTH - MLLW 14		TARGET CORE LENGTH (FT) 14	FINAL CORE LENGTH (FT) 10.5		
START TAPE (FT) 0	FINISH TAPE (FT) 10.5		PENETRATION (FT) = FINISH - START 10.5	RECOVERY 10.5		
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1					
2	2			Refusal		
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

## NOTES

*No sample collected - Vibracore likely fell on its side*

NEWFIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY <i>PND 07-01</i>			DATE <i>11/17/08</i>	PROJECT MANAGER <i>M. Pinza</i>		RECORDER <i>AS</i>
STATION ID <i>PND 07-01</i>			NAV DATUM <i>84</i>	LATITUDE <i>58°16.511</i>		LONGITUDE <i>134°23.126</i>
ATTEMPT <i>4</i>	TIME STARTED <i>4:45</i>	TIME FINISHED	WATER DEPTH (FT) <i>24</i>	TIDE (FT) <i>15</i>	MLLW (FT) = WATER DEPTH - TIDE <i>-9</i>	CORE DIAMETER (IN) <i>4"</i>
SAP DEPTH (FT) <i>-14</i>	SAP DEPTH - MLLW <i>5</i>		TARGET CORE LENGTH (FT) <i>5</i>	FINAL CORE LENGTH (FT) <i>-</i>		
START TAPE (FT) <i>6'</i>	FINISH TAPE (FT) <i>-</i>		PENETRATION (FT) = FINISH - START <i>-</i>			RECOVERY <i>-</i>
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1					
2	2			<i>Refusal</i>		
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

## NOTES

*No good ~ 80 hitting something*

NEWFIELDS

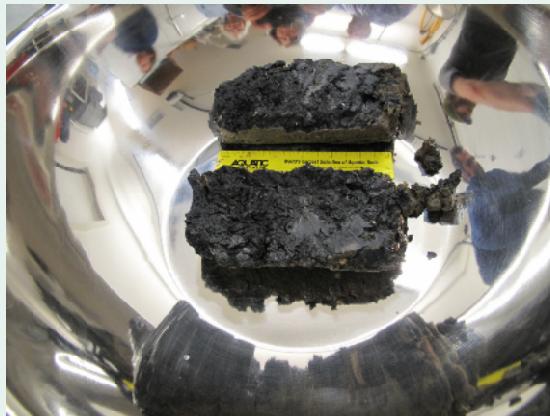
## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER		RECORDER
STATION ID			NAV DATUM	LATITUDE	LONGITUDE	
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	
PND 07-02 (1)			84		58° 16.478	134° 23.138
1 of 3			—	—	+ 8	
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)	
—				1.5	4	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START	1.5	RECOVERY	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1	7"	Slight Sulfuric	2		#338 339
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

## NOTES

Sample taken at low tide by walking out  
on the exposed beach

3-one foot sections combined



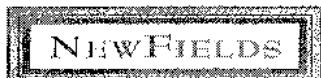
NEWFIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY <i>Douglas Harbor</i>		DATE <i>11/2/08</i>	PROJECT MANAGER <i>M. Pinza</i>	RECORDER <i>sh</i>
STATION ID <i>PND07-02 (2)</i>		NAV DATUM <i>84</i>	LATITUDE <i>58°16.478</i>	LONGITUDE <i>134°23.138</i>
ATTEMPT <i>2 of 3</i>	TIME STARTED	TIME FINISHED	WATER DEPTH (FT) <i>—</i>	TIDE (FT) <i>—</i> MLLW (FT) = WATER DEPTH - TIDE <i>+ 8</i>
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)
1	1			
2	2			
3	3			
4	4			
5	5			
6	6			
7	7			
8	8			
9	9			
10	10			

## NOTES

*See previous same as #1*



## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY <i>Douglas Harbor</i>		DATE 11/21/08	PROJECT MANAGER M. Prinza	RECORDER <i>X</i>
STATION ID PND 07-02 (3)		NAV DATUM 84	LATITUDE 58°16.478	LONGITUDE 134°23.138
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT) —	TIDE (FT) — + 8 MLLW (FT) = WATER DEPTH - TIDE
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)
1	1			
2	2			
3	3			
4	4			
5	5			
6	6			
7	7			
8	8			
9	9			
10	10			

NOTES

*See previous**Same as #1**Small macoma throughout*

NEWFIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY <i>Douglas Harbor</i>			DATE <i>11/18/08</i>	PROJECT MANAGER <i>Mr. Piva</i>	RECORDER <i>MRP</i>	
STATION ID <i>PND-07-02</i>		NAV/DATUM	LATITUDE <i>58°16.493N</i>			
ATTEMPT <i>1</i>	TIME STARTED <i>10:25</i>	TIME FINISHED <i>10:29</i>	WATER DEPTH (FT) <i>-11.8</i>	TIDE (FT) <i>+1</i>	MLLW (FT) = WATER DEPTH - TIDE <i>-7</i>	
SAP DEPTH (FT) <i>-14</i>	SAP DEPTH - MLLW <i>-14.67</i>		TARGET CORE LENGTH (FT) <i>17</i>	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

NOTES

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## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY <i>Douglas Harbor</i>			DATE <i>11/21/08</i>	PROJECT MANAGER <i>M. Pinza</i>		RECORDER <i>+</i>
STATION ID <i>PN D07-03 (1)</i>			NAV DATUM <i>84</i>	LATITUDE <i>58°16.494</i>	LONGITUDE <i>134°23.143</i>	
ATTEMPT <i>1 of 3</i>	TIME STARTED	TIME FINISHED	WATER DEPTH (FT) <i>-</i>	TIDE (FT) <i>-</i>	MLLW (FT) = WATER DEPTH - TIDE <i>+8</i>	
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START			RECOVERY
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE <i>Mixed organic sediment Silt predominantly</i>	ODOR	COLOR (CHROMA/VALUE/HUE) <i>Black, Brown, gray 3/3 2.54R</i>	SAMPLE ID BY DEPTH	MISC <i>Brown looks terrestrial in nature Some mussel shells</i>
1	1 1D"					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

## NOTES

*Sample taken at low tide by walking out  
on the exposed beach.*

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY <i>Douglas Harbor</i>			DATE 11/21/08	PROJECT MANAGER M. Pinza	RECORDER +	
STATION ID PND 07-03(2)		NAV DATUM 84	LATITUDE 58°16.494	LONGITUDE 134°23.143		
ATTEMPT 20f3	TIME STARTED	TIME FINISHED	WATER DEPTH (FT) —	TIDE (FT) —	MLLW (FT) = WATER DEPTH - TIDE + 8	
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1	<i>Same as 03(1)</i>				
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

NOTES

*See previous*

NEWFIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY <i>Douglas Harbor</i>		DATE <i>11/21/08</i>	PROJECT MANAGER <i>M. Pinza</i>	RECORDER <i>L</i>
STATION ID <i>PND07-03(3)</i>		NAV DATUM <i>84</i>	LATITUDE <i>58°16.494</i>	LONGITUDE <i>134°23.143</i>
ATTEMPT <i>3 of 3</i>	TIME STARTED	TIME FINISHED	WATER DEPTH (FT) <i>—</i>	TIDE (FT) <i>—</i> MLLW (FT) = WATER DEPTH - TIDE <i>+ 8</i>
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE <i>Sand w/ 03(1)</i>	ODOR	COLOR (CHROMA/VALUE/HUE)
1	1			
2	2			
3	3			
4	4			
5	5			
6	6			
7	7			
8	8			
9	9			
10	10			

## NOTES

*See previous*

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY Douglas harbor		DATE 11/17	PROJECT MANAGER M. Pinza	RECORDER AS		
STATION ID PN007-03 2nd 4:19		NAV DATUM 84	LATITUDE 58° 16.511	LONGITUDE 134° 23.126		
ATTEMPT	TIME STARTED 4:12	TIME FINISHED	WATER DEPTH (FT) 16	TIDE (FT) 16		
SAP DEPTH (FT) -14	SAP DEPTH - MLLW 14		TARGET CORE LENGTH (FT) 14	FINAL CORE LENGTH (FT) 0		
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START —	RECOVERY —		
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1					
2	2			Refusal		
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

## NOTES

1st attempt no good. Try again slightly <sup>up</sup> location. Location ~40' from 3rd-4th singer on A site. 2nd no good. 3rd attempt sim location. 3rd start 4:22 - next sheet

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY <i>PND Douglas Harbor</i>		DATE 11/17	PROJECT MANAGER M. P.NZA	RECORDER A5		
STATION ID PND07-03		NAV DATUM 84	LATITUDE 58° 16.511	LONGITUDE 134° 23.126		
ATTEMPT 3	TIME STARTED	TIME FINISHED	WATER DEPTH (FT) - 22	TIDE (FT) 16		
SAP DEPTH (FT) -14	SAP DEPTH - MLLW 0' 8"		TARGET CORE LENGTH (FT) 8	FINAL CORE LENGTH (FT) —		
START TAPE (FT)	FINISH TAPE (FT) —		PENETRATION (FT) = FINISH - START —			
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1					
2	2		refusal			
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

## NOTES

*3rd attempt no good ~ found cork in core*

NEWFIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER		RECORDER		
Douglas Harbor			11/18/08	M. Pinza		MP		
STATION ID			NAV DATUM	LATITUDE		LONGITUDE		
3	9:00	9:07	17	+3.1	58°16.519N 134°23.140W			
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)		CORE DIAMETER (IN)		
-14	-3		3	3		4"		
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START			RECOVERY		
-4	-2.5							
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC		
1	1							
2	2							
3	3							
4	4							
5	5							
6	6							
7	7							
8	8							
9	9							
10	10							

## NOTES

tide tables do not mesh with actual. Taking 2 ft depth measurement bench based on bathymetry. Depth to slate to bench. Penetrated to point of refusal.

## NEW FIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY Douglas Harbor STATION ID PND-07-04			DATE 11/18/08 NAV DATUM	PROJECT MANAGER Mr. Pinza	RECORDER MRS
ATTEMPT 1	TIME STARTED 0915	TIME FINISHED 0918	WATER DEPTH (FT) 10 <sup>ft</sup> 11	TIDE (FT) 1	MLLW (FT) = WATER DEPTH - TIDE 10
SAP DEPTH (FT) -14	SAP DEPTH - MLLW -4		TARGET CORE LENGTH (FT) 4	FINAL CORE LENGTH (FT) 3	CORE DIAMETER (IN) 3.125
START TAPE (FT) -5	FINISH TAPE (FT) -1		PENETRATION (FT) = FINISH - START 6	RECOVERY 3	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	black gray mix. greenish 2 1/2" wood			Hemicordate
2	5"	2 1/2"			lower silt layer composite
3	3	10 ft Sand, Silt Blackened layer at lower end (lower 3") Sub-sand peat (archived)			
4	4				
5	5				
6	6				
7	7				
8	8				
9	9				
10	10				

## NOTES

Reached original sediment layer - compact gray mud  
 340 upper  
 341 hemicordate



Douglas Harbor  
November 2008

Core Field Log and Processing Photos: Composite 2

NEWFIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER	RECORDER
	Douglas Harbor		11/18	M. Pizarro	fer
STATION ID	PND07-05		NAV DATUM	LATITUDE	LONGITUDE
			84	16.497	23.230
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE
1st	1115	1520	23	14.1	9 8.5 0.5
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)
-14	5		5	4.5	4"
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY
17	22		5		4.5
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	5.14 ↓		Grey ↓	5 upper
2	2	5' 1" fine sand		Black ↓	Wood chunk
3	3	Fine sand 4 2.8" 5.14 Fine Sand		Grey ↓	5 lower
4	4	↓ Loose sand Fine sand & silt		Grey ↓	
5	5	Loose sand Fine sand & silt		↓	
6	6				
7	7				
8	8				
9	9				
10	10				

NOTES

D-2.8 A

2.8 - 4.5 B



NEWFIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY		DATE		PROJECT MANAGER	RECORDER
STATION ID		NAV DATUM	LATITUDE	LONGITUDE	
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE
1 of 1	1525	1530	23	14	9
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)
-14	5		5	3' 1"	4"
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START	RECOVERY	
17	21		4	3' 1"	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	Silt Silt w sand		Dark grey ↓	
2	2	19" ↓ Fine Sand		Black Corey	
3	3	26" ↓ Fine Sand Silt		↓ Grey ↓	no photo
4	4				
5	5				
6	6				
7	7				
8	8				
9	9				
10	10				

## NOTES

C - 2.5 A

2.5 - 3.1 B



PND07-05 (2)



# Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER	RECORDER
STATION ID			NAV DATUM	LATITUDE	LONGITUDE
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE
1 of	1356	1400	20	11	9'
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)
~14	-9		5	4.5	4"
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY
14	14		18.5		4'2"
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	5.1 ft w/ Sand		dark grey	6 upper
2	2	11"		grey	6 lower
3	3	Fine Sand + Silt Fine Sand + Silt		grey	
4	4				
5	5	4'2"			
6	6				
7	7				
8	8				
9	9				
10	10				

## NOTES

cut 0-2.5 = PND-07-06 A

2.5-4.2 = PND07-06 B



PND07-06A



PND07-06B

NEW FIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY		DATE	PROJECT MANAGER		RECORDER
STATION ID	NAV.DATUM	LATITUDE	LONGITUDE		
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE
2	1430	1432	20'	11	9
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)
14	14 - 9		5	3	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY
14.5	18		3.5		3
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	5.14		Black	6 upper
2	2	5.14		grey	
3	3				
4	4				
5	5				
6	6				
7	7				
8	8				
9	9				
10	10				

## NOTES

Second cori at PND-07-06(2) - label



PND07-06 (2)

NEWFIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER		RECORDER
STATION ID			NAV DATUM	LATITUDE		LONGITUDE
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	
1	4:22		20.500	12	-8.5	
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)	
14	-8.5		5.5	2'7"	4	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY	
13	18		5'	2'7"		
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1	Silt	Sulfide	Black	7	Shell hash 4 wood debris
2	2					
3	3	Silt & sand				
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

## NOTES

Moved to south side of Head float

1st attempt - no penetration moved a few feet closer to gangway  
for 2nd

PND-07-07

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER		RECORDER
STATION ID			NAV DATUM	Latitude		Longitude
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	
1	4:50		21	13	-8	
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)		CORE DIAMETER (IN)
-14	-8		6	6		4
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1	Silt w/ Sand	Sulfur Iodine	Black ↓		Shell hash woody debris
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

## NOTES

Moved to south side of headwall



PND-07-07 (2)

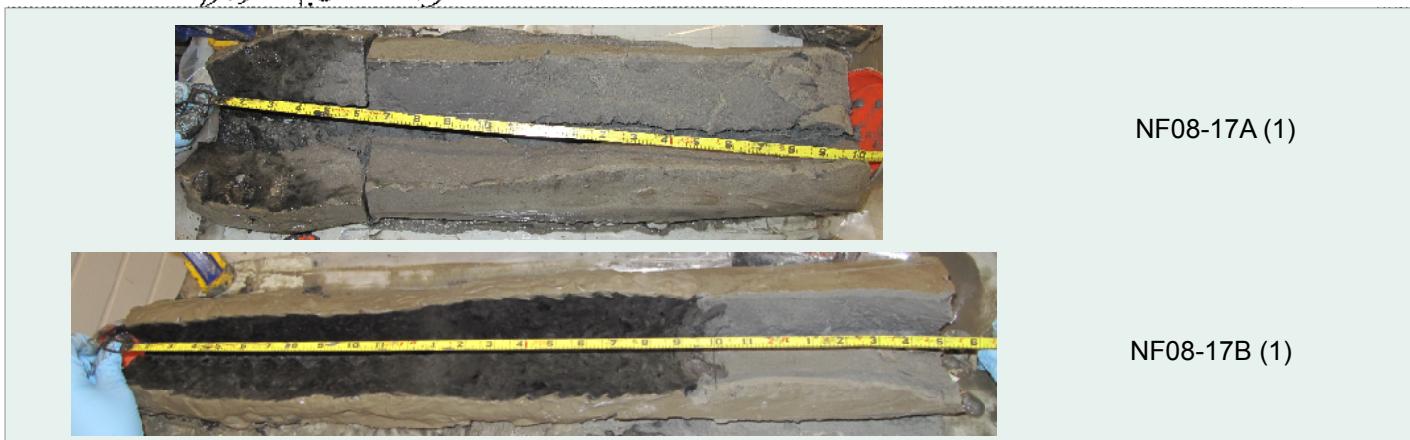
## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER		RECORDER
STATION ID	<i>Pongolas harbor</i> NF08-17		11/18	M. Pinza		<i>J.</i>
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	
1 of	1555	1600	24	15	9	
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)	
8.14	5		5	4.0	4"	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START			RECOVERY
58.5	72.5		4			4
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1	<i>Silt w/ sand</i>		Black	17 upper	
2	2	2'		↓		
3	3	<i>5.1 ft</i> <i>1.7 w/ sand</i> <i>s. Hr/sand</i>		Grey		<i>Hemichordate</i>
4	4	<i>Fine sand</i>		Black & Grey		
5	5	<i>+ Silt</i>		Grey	17 Lower	
6	6					
7	7					
8	8					
9	9					
10	10					

## NOTES

6-2.5 A

2.5-4.0 B



## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER	RECORDER
Douglas Harbor			11/18	m. Pinza	St
STATION ID			NAV DATUM	LATITUDE	LONGITUDE
NF08-17 (2)				16.496	23-238
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE
1st	16105	1617	24	15	9
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)
-14	5		5	5	4"
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY
20	25		5		
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	Silt		Black and Dark Grey marbled	17 upper
2	2	Fine sand		Grey	17 lower
3	3	2 1/2" of Silt		Grey	
4	4	Fine Sand + Silt			
5	5				
6	6				
7	7				
8	8				
9	9				
10	10				

NOTES



NF08-17A (2)



NF08-17B (2)

Douglas Harbor  
November 2008

Core Field Log and Processing Photos: Composite 4A

NEWFIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY <i>Dong Ha Harbor</i>			DATE 11/21	PROJECT MANAGER M. Pinza	RECORDER <i>✓</i>	
STATION ID PND02-14 (1)			NAV DATUM	LATITUDE 58°16.527	LONGITUDE 134°23.185	
ATTEMPT 1 of 2	TIME STARTED 1240	TIME FINISHED 1245	WATER DEPTH (FT) 16.5	TIDE (FT) 6.5	MLLW (FT) = WATER DEPTH - TIDE 10	
SAP DEPTH (FT) 14	SAP DEPTH - MLLW 4		TARGET CORE LENGTH (FT) 4	FINAL CORE LENGTH (FT) 3	CORE DIAMETER (IN) 4"	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START 3		RECOVERY 1'	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1	<i>2" m. water bottom 5.14 w/ sand 3.14</i>		<i>dark gray black</i>	<i>14 upper</i>	
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

NOTES



PND07-14

NEWFIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY <i>Douglas Harbor</i>			DATE <i>11/21</i>	PROJECT MANAGER <i>M. Pinza</i>	RECORDER <i>le</i>	
STATION ID <i>PND07-14(2)</i>		NAV DATUM	LATITUDE <i>46.527</i>	LONGITUDE <i>23.185</i>		
ATTEMPT <i>1 of 2</i>	TIME STARTED <i>1300</i>	TIME FINISHED	WATER DEPTH (FT) <i>16.5</i>	TIDE (FT) <i>6.5</i>	MLLW (FT) = WATER DEPTH - TIDE <i>10</i>	
SAP DEPTH (FT) <i>14</i>	SAP DEPTH - MLLW <i>4</i>		TARGET CORE LENGTH (FT) <i>4</i>	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN) <i>4"</i>	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1					
2	2			<i>Not used for testing</i>		
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

NOTES



# Piston Core / BoxCore CORING LOG

PROJECT/SURVEY		DATE		PROJECT MANAGER		RECORDER
<i>Douglas Harbor</i>		11-18		AS		
STATION ID		NAV DATUM		LATITUDE		LONGITUDE
PND 07-16		58°16.515		134°23.163		
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	
1	11:55A	11:57	16.5	5.5'	11'	
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)	
-14	3		3	4'	4"	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY	
5 1/2'	9 1/2'		4		2 1/2'	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1	0' Silt (14" Fine Sand)		Black Dark Gray	16 upper	Macoma shells
2	2	7 1/4" hard packed Fine Sand		Corey Black	16 upper	
3	3	2 1/4" silt		↓	↓	
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

NOTES

8" lost from tip



PND07-16

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER		RECORDER
Douglas Harbor			11/19/08	M. Pinea		MRP
STATION ID			NAV DATUM	LATITUDE		LONGITUDE
NF08-19				58° 16' 533N		134° 23' 221W
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	
1	12:05	12:08	15.5"	5	10.5"	
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)	
14	4.5"		4.5"	4.7"		
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY	
3.6"	8'		4.7"		4.7"	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1	Silt	None	Grey	19 upper	Shell debris
2	2			black		
3	3	Silt		Black		Shell debris
4	4	Fine Sand Silt		Grey	19 lower	
5	5			Dark Grey		
6	6					
7	7					
8	8					
9	9					
10	10					

## NOTES

A 0 - 2' 5"

B 2' 5" - end



NF08-19A



NF08-19B



## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER	RECORDER
Douglas Harbor			11/18/08	Mr. Piza	MRP
STATION ID			NAV DATUM	LATITUDE	LONGITUDE
NE-08-20				58° 16.517'	134° 23.189'
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE
1	1420	1424	18'5"	8	10.5'
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)
14'	10.5 10.5		4.5	7.6"	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY
7.5	11.5 12.5		5		
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	2" mussel + plant debris ↓ Silt	None	Grey to Black	1 20 upper Nephtys
2	2			grey black	
3	3	Hard pack silt		grey	
4	4	hard silt		grey to	20 lower
5	5	clay		dark grey	
6	6	buried silt grey shell hash silt		grey to dark grey	
7	7	silt	removed from sample past dredge	black	
8	8				
9	9				
10	10				

## NOTES

hit native sediment layer

A 0 - 2' 10"

B 2' 10" - 5' 8"

C 5' 8" - 7' 6" - below project depth



NF08-20A



NF08-20A (upper 11.5")

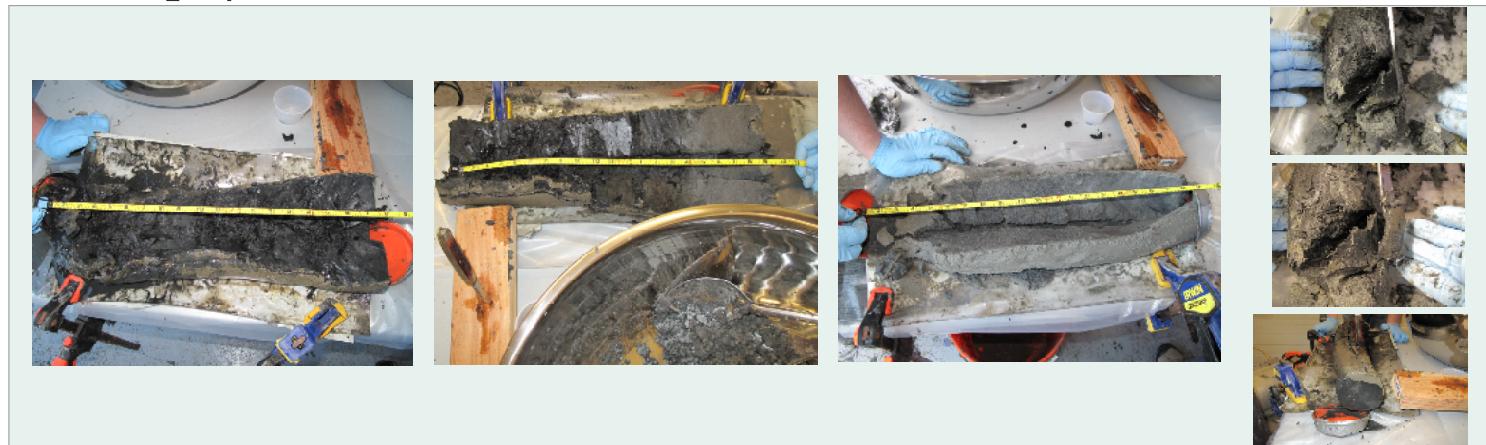


# Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER		RECORDER
Douglas Harbor NF -08 -23			11/19/08	Mr. Tinza		
STATION ID		NAV DATUM	LATITUDE		LONGITUDE	
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	
1	1456		19'	10'	9'	
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)	
14	5		5		4	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY	
8	14		6			
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1	5' mussel shells silt	Shells Foul	Black	23 upper	Heavy chondrate
2	2	1' 9" sand		Black		
3	3	silted clay		↓ olive rocks Black		
4	4	2" silt moist sand		grey	23 lower	
5	5	hard sand		grey ↓		
6	6	hard silt		grey ↓		
7	7					
8	8					
9	9					
10	10					

## NOTES

A) core split we had to short to  
 B) core split we had to short to  
 C) new core to contain sample



NEWFIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY Douglas Harbor			DATE 11/19/08	PROJECT MANAGER M. P. Yaga	RECORDER MRP
STATION ID NF-08-23			NAV DATUM	LATITUDE 58° 16.504	LONGITUDE 134° 23.151
ATTEMPT	TIME STARTED 1456	TIME FINISHED	WATER DEPTH (FT) 19'	TIDE (FT) 10'	MLLW (FT) = WATER DEPTH - TIDE 9'
SAP DEPTH (FT) 14	SAP DEPTH - MLLW 9'		TARGET CORE LENGTH (FT) 5	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN) 4
START TAPE (FT) 8'	FINISH TAPE (FT) 14'		PENETRATION (FT) = FINISH - START 6		RECOVERY
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	0' - 5.11' clay		black	23 upper
2	2	5.11' - 14' sand moist		grey grey	23 lower ~6
3	3				
4	4				
5	5				
6	6				
7	7				
8	8				
9	9				
10	10				

## NOTES

A → Core split we had to shift to new

B → Core to continue sediment

C

Douglas Harbor  
November 2008

Core Field Log and Processing Photos: Composite 4B

NEW FIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER	RECORDER
Douglas Harbor			11/19/08	Mr. Pina	MRP
PND-07-13	58° 16.507'	134° 23.232'			
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE
1	10:48	10:51	16 1/2'	5'	11 1/2'
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)
14'	- 11 1/2'		3'	4'	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY
11'	15'		4'		4'
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	Silt (compacted)		Dark Grey	13 upper
2	2	wet			
3	3	25" ✓ 47° Silt		Dark Grey Grey	
4	4	✓ Silt w/ Sand			13 Lower
5	5				
6	6				
7	7				
8	8				
9	9				
10	10				

NOTES

A 0-25'

B 25-4



PND07-13A



PND07-13B

## Piston Core / BoxCore CORING LOG

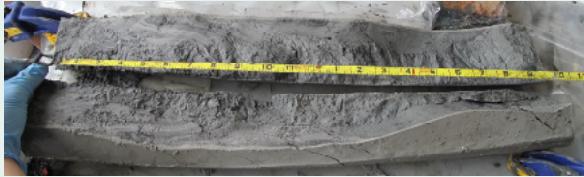
PROJECT/SURVEY			DATE	PROJECT MANAGER	RECORDER
STATION ID			NAV DATUM	LATITUDE	LONGITUDE
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE
1	11:15A	11:17	16	5	11
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)
~14	~3		3	4	4"
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY
6	10		4		4' - 2"
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	5,1/4 (compact)		dark grey	15 upper
2	2	1/2" dry silt		grey	15
3	3	2.5" 5,1/4/4 silt w/sand		grey	lower
4	4	5,1/4 (dry)		grey	
5	5	2 1/2"		grey	
6	6				
7	7				
8	8				
9	9				
10	10				

NOTES

Cut @ 2 1/2" A 0-2 1/2 B 2 1/2 → 4', 2"



PND07-15A



PND07-15B

PROJECT/SURVEY			DATE	PROJECT MANAGER	RECORDER
<i>Douglas Harbor</i>			11/19/08	M Pinza	MRP
STATION ID			NAV DATUM	LATITUDE	LONGITUDE
PND-NF-08-18				58°16.514N	134°23.237W
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE
1	11:30	11:33	12.5'	5'	7.5'
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)
14	6.5'		6.5'	5.2'	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START	RECOVERY	
60' 10"	7.5'		6.5'		
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	5.1 ft w/ 1.8" shell hash	Foul Sulfur	Black	18 upper
		5.1 ft w/ some shells		Black	
2	2	Sand			
3	3	2' 10" 8" 5.1 ft	↓	Black	
4	4	4.3" shell hash 8" wood board	↓	Black	
5	5	Sandy 5.1 ft		light grey	18 lower
6	6				Used in composite not enough material for archive
7	7				
8	8				
9	9				
10	10				

## NOTES

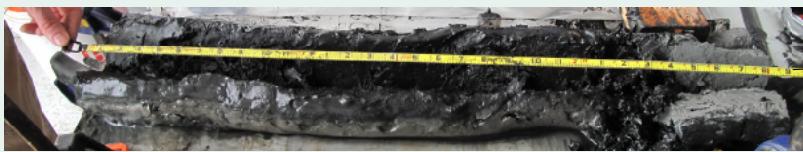
Sulfide smell - dark black sediment  
Discordant material in core catcher

$$A = 0 - 2' 10"$$

$$B = 2' 10" - 5.2"$$



NF08-18A



NF08-18B





# Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER	RECORDER
Douglas Harbor			11/19/08	MP Pige	MP
STATION ID			NAV/DATUM	LATITUDE	LONGITUDE
	NF08-21			58° 16.500 N	134° 23.207 W
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE
1	1400	1403	17'	8	9
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)
14	5		5'	5 2"	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START		RECOVERY
6' 6"	12' 6"		6'		5' 2"
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	5.1 ft Sandy silt		Dark grey sand ↓ Black	21 upper
2	2				
3	3	2" Sandy silt		Black	
4	4	Compacted silt		grey	21 lower
5	5			Dark grey	
6	6				
7	7				
8	8				
9	9				
10	10				

NOTES

encountered native material.

A 0 - 2.7"

B 2.7" - 5.2"



NF08-21A



NF08-21B

NEWFIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY			DATE	PROJECT MANAGER	RECORDER
<i>Douglas</i>			11-19-08	Mes Linca	AS
STATION ID			NAV DATUM	LATITUDE	LONGITUDE
NF08-22				58°16.082	134°23.180
ATTEMPT	TIME STARTED	TIME FINISHED	WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE
2	3:46	3:52	20'	10.5	9.5
SAP DEPTH (FT)	SAP DEPTH - MLLW		TARGET CORE LENGTH (FT)	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)
-14	-9.5		4.5'	4'2"	4"
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START	RECOVERY	
10	16		4.5'	4'2"	
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH
1	1	<u>Silt w/ wood debris</u> <u>3.1 ft w/</u> <u>shell trash</u>	None	<u>B Tan</u> <u>Dark grey</u> <u>Dark grey</u>	22 Upper
2	2				
3	3	<u>2'6"</u> <u>4' + sandy silt</u>	None	<u>dark grey</u>	
4	4	Sandy Silt compact		light grey	
5	5	<u>4'4" (dry)</u>			
6	6				
7	7				
8	8				
9	9				
10	10				

## NOTES

0-2.5 A  
2.5-4 + B



NF08-22A



NF08-22B

NEWFIELDS

## Piston Core / BoxCore CORING LOG

PROJECT/SURVEY <i>Douglas Harbor</i>			DATE <i>4/19</i>	PROJECT MANAGER <i>M. Pinta</i>		RECORDER <i>✓</i>
STATION ID <i>NF08-22</i>			NAV DATUM	LATITUDE <i>58 16.082</i>	LONGITUDE <i>134 23.180</i>	
ATTEMPT <i>1 of</i>	TIME STARTED	TIME FINISHED	WATER DEPTH (FT) <i>20'</i>	TIDE (FT) <i>10.5</i>	MLLW (FT) = WATER DEPTH - TIDE <i>9.5</i>	
SAP DEPTH (FT) <i>-74</i>	SAP DEPTH - MLLW <i>-9.5</i>		TARGET CORE LENGTH (FT) <i>4.5</i>	FINAL CORE LENGTH (FT)	CORE DIAMETER (IN)	
START TAPE (FT)	FINISH TAPE (FT)		PENETRATION (FT) = FINISH - START			RECOVERY
PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (CHROMA/VALUE/HUE)	SAMPLE ID BY DEPTH	MISC
1	1					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					

## NOTES

*~ 5' off of A float  
- Lost catcher head + sediment when extracted from ground*

Douglas Harbor  
November 2008

Disposal Site Field Information

&

Compositing of Reference Samples

not in disposal site

**STATION COORDINATE LOG**  
For Van Veen or Box Core

Project: Douglas HarborCruise Director: M. PizaSurvey Number: 1 Disposal SiteRecorder: MLP

DATE	TIME	STATION	DROP NO.	LATITUDE	LONGITUDE	DEPTH (m)	ff
11/19/08	8:05	1 photo 31	1	58° 16.7379	134° 22.0205	128	5% fine
11/19/08	8:30	2 <del>bottom</del> photo 32-35	1	58° 16.4428	134° 22.5095	123	82%
		2 Hard-held GPS	1	58° 16.412	134° 22.408		
11/19/08	9:00	3 <del>bottom</del> hard held	1	58° 16.706	134° 22.895	128	70% fine
		3 <del>bottom</del> fast	1	58° 16.6957	134° 22.8657	128	70%
	9:15	4 Coline B box	1	58° 16.6848	134° 22.7708	129	80%
	9:30	5 Coline C	1	58° 16.7141	134° 22.9878	125	50%
		piece of cobble in the sample					
	9:37	6 Coline D photo 45	1	58° 16.6219	134° 22.8145	126 79	78%
	9:50	7 middle	1	58° 16.7090	134° 22.8634	126	73%
7cm	11/20/08	Refd	1	13.1920	16.2244	120	62%
-			2				
-			3				
-	10:00	V	4	↓	↓	↓	
8 1/2	10:12	Ref 02	1	13.5260	16.5481	112	67%
8 1/2	10:40		2				
8			3				
8			4	↓	↓	↓	
7 1/2	11:25		5	↓	↓	↓	
8 1/2	11:38	Ref 03	1	58 13.9312	134 17.3443	116	55%
9	11:45		2				

## **STATION COORDINATE LOG**

For Van Veen or Box Core

**Project:** \_\_\_\_\_

**Cruise Director:** \_\_\_\_\_

**Survey Number:** \_\_\_\_\_

**Recorder:** \_\_\_\_\_

## Notes on Sediment Characteristics for the Reference Stations

General note: sediments were mixed after removing cobble until color and texture appear consistent; samples collected for chemistry and bioassays represent grand composite, remainder of sediment was put into new bags, labeled and placed in cooler

### Reference 01

- Sipunculid
- Silt/clay fraction of sand and cobble <8 inches

Photo Log for Reference-01



Figure 1. Composite and cobble (frame 327)



Figure 2. Close-up photo (frame 328)

### Reference 02

- Sipunculid, Maldanidae; Large Brachiopoda, Nephtys
- Silt with some sand and cobbles < 4 inches

Photo Log for Reference-02



Figure 3. Composed sediment with cobble  
(frame 326)

## Reference-03

- Sandy-silt environment with cobble.
- Brachiopods, corals, and jingles present.
- Size of cobble ranges from 3 to 4 inches in diameter. Only one living attached brachiopod.

### Photo Log for Reference-03



Figure 4. Solitary coral fragment on cobble (frame 313)



Figure 5. Sediment bowl with cobble (frame 314)



Figure 6. Brachiopod on cobble (frame 315)



Figure 7. Sediment bowl, cobble with lid and ruler (frame 316)



Figure 8. Brachiopod with ruler (frame 317)

## Reference-04

- Sipuncula saved for identification
- Silt with some sand; cobble <4 to 5 inches with brachiopods
- Solitary corals. More cobble than Reference -03.
- Macoma shell- not live, Nephtys observed

### Photo Log for Reference-04



**Figure 9. Sediment and cobble  
(frame 320)**



**Figure 10. Close-up photo of cobble (frame 321)**



**Figure 11. Close-up photo of mud (frame 322)**

## Reference-05

- Nephtys alive in sediment during compositing
- Silt with some clay, no cobble

Photo Log for Reference-05



Figure 12. Mud/mixture photo (frame 318)



Figure 13. Mixing sediment (frame 319)

**Photo Log for Compositing Reference  
Sediments (*Note coloration differences*)**



**Figure 14A/B. Color differences between Ref 05 and Ref 03  
(B is close-up of A; Ref 05 top layer; frames 323, 324)**



**Figure 15. Top layer is Ref-04 (same color and character as  
Ref-03); mid layer is Ref-05; bottom layer is Ref- 03  
(frame 325)**