VIBRACORE SEDIMENT CORING LOG

PROJECT/SURVEY	DATE	PROJECT MANAGER	RECORDER
POLB Pier E	9-12-06	David Moore	Wendy Rose

STATION ID	NAV DATUM	LATITUDE	LONGITUDE
1-A	WGS 84	33°45.500'	118°12.839'

WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	SAP DEPTH (FT)
52.0	3.5	48.5	60

TARGET CORE LENGTH (FT) (SAP DEPTH - MLL	FINAL CORE LENGTH (FT)	PENETRATION (FT)	CORE LENGTH FOR ANALYSIS (FT)
11.5	14.0	14.0	11.5

CORE DIAMETER (IN)	ATTEMPT	TIME STARTED	TIME FINISHED
4	1 of 1	1655	1640

PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (HUE_VALUE/CHROMA)	SAMPLE ID BY DEPTH	MISC
1	1	Silt	None	Dark	TOP	
2	2	w/ Shell hash		Greenish	1-A	
3	3			Gray		
4	4	Fine			BOTTOM	
5	5	Sand with some			1-A	
6	6	clay + silt				
7	7					
8	8					
9	9	Sand				
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
19	19					
20	20					

NOTES

VIBRACORE SEDIMENT CORING LOG

PROJECT/SURVEY	DATE	PROJECT MANAGER	RECORDER
POLB Pier E	9-12-06	David Moore	Wendy Rose

STATION ID	NAV DATUM	LATITUDE	LONGITUDE
1-B	NGS 84	33°45.470	118°12.898

WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	SAP DEPTH (FT)
51.4	5.1	46.3	60

TARGET CORE LENGTH (FT) (SAP DEPTH - MLL	FINAL CORE LENGTH (FT)	PENETRATION (FT)	CORE LENGTH FOR ANALYSIS (FT)
13.7	15.0	15.0	13.7

CORE DIAMETER (IN)	ATTEMPT	TIME STARTED	TIME FINISHED
4	1 of 1	1455	1500

PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (HUE_VALUE/CHROMA)	SAMPLE ID BY DEPTH	MISC
1	1		None	Dark	1-B Top	
2	2	Silt +		Greenish		
3	3	Shell		Gray		
4	4	Hash				
5	5					
6	6					
7	7					
8	8	Clay +		Greenish	1-B	
9	9	Sand		Gray	Bottom	
10	10					
11	11					
12	12					
13	13	Clay				
14	14					
15	15					
16	16					
17	17					
18	18					
19	19					
20	20					

NOTES

WESTON SOLUTIONS

VIBRACORE SEDIMENT CORING LOG

PROJECT/SURVEY	DATE	PROJECT MANAGER	RECORDER
POLB Pier E	9-13-06	David Moore	Wendy Rose

STATION ID	NAV DATUM	LATITUDE	LONGITUDE
1-C	WGS 84	33°45.445	118°12.841

WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	SAP DEPTH (FT)
52.9	3.6	49.3	60

TARGET CORE LENGTH (FT) (SAP DEPTH - MLL	FINAL CORE LENGTH (FT)	PENETRATION (FT)	CORE LENGTH FOR ANALYSIS (FT)
10.7	14.0	14.0	10.7

CORE DIAMETER (IN)	ATTEMPT	TIME STARTED	TIME FINISHED
4	1 of 1	941	951

PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (HUE VALUE/CHROMA)	SAMPLE ID BY DEPTH	MISC
1	1	Silt			1-C-Top	
2	2	+ shell hash		Dark		
3	3			greenish		
4	4		none	grey		
5	5	Clay +			1-C-Bottom	
6	6	~~some sand~~ & silt				
7	7					
8	8	fine				
9	9	Sand				
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
19	19					
20	20					

NOTES

WESTON SOLUTIONS

VIBRACORE SEDIMENT CORING LOG

PROJECT/SURVEY	DATE	PROJECT MANAGER	RECORDER
POLB Pier E	9-13-06	David Moore	Wendy Rose

STATION ID	NAV DATUM	LATITUDE	LONGITUDE
1-D	WGS 84	33°45.423	118°12.876

WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	SAP DEPTH (FT)
54.4	3.0	51.4	60

TARGET CORE LENGTH (FT) (SAP DEPTH - MLL	FINAL CORE LENGTH (FT)	PENETRATION (FT)	CORE LENGTH FOR ANALYSIS (FT)
8.6	9.5	10.0	8.6

CORE DIAMETER (IN)	ATTEMPT	TIME STARTED	TIME FINISHED
4	1 of 1	836	840

PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (HUE, VALUE/CHROMA)	SAMPLE ID BY DEPTH	MISC
1	1	Silt	None	Dark	Top	
2	2	with		Greenish	1-D	
3	3	some clay + sand		Gray		
4	4	Fine sand				
5	5	with clay			Bottom	
6	6				1-D	
7	7					
8	8	Fine				
9	9	Sand				
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
19	19					
20	20					

NOTES

Used Kenny's instrumentation to get tide data.

3 Photos

WESTON SOLUTIONS

VIBRACORE SEDIMENT CORING LOG

PROJECT/SURVEY	DATE	PROJECT MANAGER	RECORDER
POLB Pier E	9-12-06	David Moore	Wendy Rose

STATION ID	NAV DATUM	LATITUDE	LONGITUDE
1-E	WGS 84	33°45.410	118°12.911

WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	SAP DEPTH (FT)
50.5	4.2	46.3	60

TARGET CORE LENGTH (FT) (SAP DEPTH - MLL	FINAL CORE LENGTH (FT)	PENETRATION (FT)	CORE LENGTH FOR ANALYSIS (FT)
13.7	15.0	15.0	13.7

CORE DIAMETER (IN)	ATTEMPT	TIME STARTED	TIME FINISHED
4	1 of 1	1546	1550

PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (HUE_VALUE/CHROMA)	SAMPLE ID BY DEPTH	MISC
1	1	Silt	None	Dark	TOP	
2	2	with		Greenish	1-E	
3	3	Some Shell hash		Gray		
4	4					
5	5					
6	6					
7	7					
8	8	Fine			Bottom	
9	9	Sand with		Dark	1-E	
10	10	clay +		Greenish		
11	11	some silt		Gray		
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
19	19					
20	20					

NOTES

4 Photos

WESTON SOLUTIONS

VIBRACORE SEDIMENT CORING LOG

PROJECT/SURVEY	DATE	PROJECT MANAGER	RECORDER
POLB Pier E	9/13/06	David Moore	Wendy Rose

STATION ID	NAV DATUM	LATITUDE	LONGITUDE
1-F	WGS 84	33°45.378	118°12.854

WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	SAP DEPTH (FT)
51.0	3.3	47.7	60.0

TARGET CORE LENGTH (FT) (SAP DEPTH - MLL	FINAL CORE LENGTH (FT)	PENETRATION (FT)	CORE LENGTH FOR ANALYSIS (FT)
12.3	13.5	14.0	12.3

CORE DIAMETER (IN)	ATTEMPT	TIME STARTED	TIME FINISHED
4	1 of 1	909	915

PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (HUE_VALUE/CHROMA)	SAMPLE ID BY DEPTH	MISC
1	1	Silt	None	Dark	Top	
2	2			Greenish	1-F	
3	3			Gray		
4	4	Silt with			Bottom	
5	5	clay +			1-F	
6	6	~~sand~~ Sand				
7	7					
8	8					
9	9	Clay				
10	10	+				
11	11	sand				
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
19	19					
20	20					

NOTES

VIBRACORE SEDIMENT CORING LOG

PROJECT/SURVEY	DATE	PROJECT MANAGER	RECORDER
POLB Pier E	9-12-06	David Moore	Wendy Rose

STATION ID	NAV DATUM	LATITUDE	LONGITUDE
2-A	WGS-84	33°45.753	118°12.842

WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	SAP DEPTH (FT)
52.1	4.9	47.2	60.0

TARGET CORE LENGTH (FT) (SAP DEPTH - MLL	FINAL CORE LENGTH (FT)	PENETRATION (FT)	CORE LENGTH FOR ANALYSIS (FT)
12.8	13.5	14.5	12.8

CORE DIAMETER (IN)	ATTEMPT	TIME STARTED	TIME FINISHED
4	1 of 1	1119	1123

PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (HUE_VALUE/CHROMA)	SAMPLE ID BY DEPTH	MISC
1	1	Silt with Shell	None	Dark Bluish Gray	2-A TOP	Combined to Make 2-A TOP
2	2	hash,				
3	3	Rock & wood debris				
4	4			Dark Greenish Gray	2-A MID	
5	5	Clay +				
6	6	fine Sand				
7	7					
8	8	Fine		Greenish	2A	
9	9	Sand		Gray	Bottom	
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
19	19					
20	20					

NOTES

WESTON SOLUTIONS

VIBRACORE SEDIMENT CORING LOG

PROJECT/SURVEY	DATE	PROJECT MANAGER	RECORDER
POLB Pier E	9/12/2006	David Moore	Wendy Rox

STATION ID	NAV DATUM	LATITUDE	LONGITUDE
2-B	WGS 84	33° 45.689	118° 12.879
WATER DEPTH (FT)	**TIDE (FT)**	**MLLW (FT) = WATER DEPTH - TIDE**	**SAP DEPTH (FT)**
50.4	4.2	46.2	60
TARGET CORE LENGTH (FT) (SAP DEPTH - MLL	**FINAL CORE LENGTH (FT)**	**PENETRATION (FT)**	**CORE LENGTH FOR ANALYSIS (FT)**
13.8	~~15.0~~ 14.5	15.0	13.8
CORE DIAMETER (IN)	**ATTEMPT**	**TIME STARTED**	**TIME FINISHED**
4	1 of 1	10:29	10:35

PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (HUE_VALUE/CHROMA)	SAMPLE ID BY DEPTH	MISC
1	1					
2	2	Silt		Dark	2B - Top	
3	3	+ shell		greenish		Combined
4	4	hash		grey		to make
5	5					2B TOP
6	6					
7	7					
8	8	Clay + Sand	none			
9	9				2B - Midt	
10	10	Fine				
11	11	Sand			2B Bottom	
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
19	19					
20	20					

NOTES

3 samples (Top, Middle, Bottom)
3 photos

WESTON SOLUTIONS

VIBRACORE SEDIMENT CORING LOG

PROJECT/SURVEY	DATE	PROJECT MANAGER	RECORDER
POLB Pier E	9/12/2006	David Moore	Wendy Rose

STATION ID	NAV DATUM	LATITUDE	LONGITUDE
2C	WGS 84	33°45.639	118°12.843

WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	SAP DEPTH (FT)
55.2	3.7	51.5	60

TARGET CORE LENGTH (FT) (SAP DEPTH - MLL	FINAL CORE LENGTH (FT)	PENETRATION (FT)	CORE LENGTH FOR ANALYSIS (FT)
8.5	12.8	13.0	8.5

CORE DIAMETER (IN)	ATTEMPT	TIME STARTED	TIME FINISHED
4	1 of 1	940	9:45

PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (HUE_VALUE/CHROMA)	SAMPLE ID BY DEPTH	MISC
1	1	Silt w/ shell	None	Dark Bluish Gray	2-C TOP	
2	2	hash				
3	3	Fine Sand		Dark	2-C MID	Combined to make 2C TOP
4	4	w/clay		Greenish Gray		
5	5	+ silt				
6	6					
7	7					
8	8	Fine			2-C Bottom	
9	9	Sand				
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
19	19					
20	20					

NOTES

4 Photos

WESTON SOLUTIONS

VIBRACORE SEDIMENT CORING LOG

PROJECT/SURVEY	DATE	PROJECT MANAGER	RECORDER
POLB Pier E	9-12-06	David Moore	Wendy Rose

STATION ID	NAV DATUM	LATITUDE	LONGITUDE
2-D	WGS 84	33°45.612	118°12.888

WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	SAP DEPTH (FT)
55.4	5.6	49.8	60

TARGET CORE LENGTH (FT) (SAP DEPTH - MLL	FINAL CORE LENGTH (FT)	PENETRATION (FT)	CORE LENGTH FOR ANALYSIS (FT)
10.2	7.0	12.0	

CORE DIAMETER (IN)	ATTEMPT	TIME STARTED	TIME FINISHED
4	1 of 2	1205	1209

PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (HUE_VALUE/CHROMA)	SAMPLE ID BY DEPTH	MISC
1	1					Abundant
2	2					mussel
3	3					shells
4	4					prevented
5	5					further
6	6					recovery
7	7					
8	8					
9	9					
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
19	19					
20	20					

NOTES

WESTON SOLUTIONS

VIBRACORE SEDIMENT CORING LOG

PROJECT/SURVEY	DATE	PROJECT MANAGER	RECORDER
POLB Pier E	9-12-06	David Moore	Wendy Rose

STATION ID	NAV DATUM	LATITUDE	LONGITUDE
2-D	WGS 84	33°45.612	118°12.888

WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	SAP DEPTH (FT)
55.4	~~5.6~~ 5.7	49.7	60

TARGET CORE LENGTH (FT) (SAP DEPTH - MLL	FINAL CORE LENGTH (FT)	PENETRATION (FT)	CORE LENGTH FOR ANALYSIS (FT)
10.3	12.0	13.5	10.3

CORE DIAMETER (IN)	ATTEMPT	TIME STARTED	TIME FINISHED
4	2 of 2	1221	12:25

PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (HUE_VALUE/CHROMA)	SAMPLE ID BY DEPTH	MISC
1	1	Silt with Shell	None	Dark Bluish Gray	TOP 2-D	
2	2					
3	3					Combined to make 2D TOP
4	4					
5	5	Fine Sand & clay		Very Dark Greenish Gray	MID 2-D	
6	6					
7	7					
8	8					
9	9	Fine Sand		Light Greenish Gray	Bottom 2-D	
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
19	19					
20	20					

NOTES

WESTON SOLUTIONS

VIBRACORE SEDIMENT CORING LOG

PROJECT/SURVEY	DATE	PROJECT MANAGER	RECORDER
POLB Pier E	9/11/06	David Moore	Brent M.

STATION ID	NAV DATUM	LATITUDE	LONGITUDE
2-E	WGS 84	33° 45.579'	118° 12.838'

WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	SAP DEPTH (FT)
51.0	2.8	48.2	60.0

TARGET CORE LENGTH (FT) (SAP DEPTH - MLL	FINAL CORE LENGTH (FT)	PENETRATION (FT)	CORE LENGTH FOR ANALYSIS (FT)
11.8	12.8	13.5	~~12.8~~ 11.8

CORE DIAMETER (IN)	ATTEMPT	TIME STARTED	TIME FINISHED
4	1 of 1	16:00	16:45

PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (HUE_VALUE/CHROMA)	SAMPLE ID BY DEPTH	MISC
1	1	Coarse Sand + shell hash + silt	None	Dark Bluish Grey	2-E Top	Combined to make 2-E TOP
2	2					
3	3					
4	4	Rock		Orangish/ Brown & Black		
5	5					
6	6	Clay + silt		Dark Greenish Grey	2-E MID	
7	7					
8	8					
9	9					
10	10	Fine Sand			2-E Bottom	
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
19	19					
20	20					

NOTES

Photos: 3 3 Samples taken
- Bent tube.

WESTON SOLUTIONS

VIBRACORE SEDIMENT CORING LOG

PROJECT/SURVEY	DATE	PROJECT MANAGER	RECORDER
POLB Pier E	9-12-06	David Moore	Wendy Rose

STATION ID	NAV DATUM	LATITUDE	LONGITUDE
2-F	WGS 84	33°45.547	118°12.884

WATER DEPTH (FT)	TIDE (FT)	MLLW (FT) = WATER DEPTH - TIDE	SAP DEPTH (FT)
54.1	5.6	48.5	60

TARGET CORE LENGTH (FT) (SAP DEPTH - MLL	FINAL CORE LENGTH (FT)	PENETRATION (FT)	CORE LENGTH FOR ANALYSIS (FT)
11.5	11.0	12.0	11.0

CORE DIAMETER (IN)	ATTEMPT	TIME STARTED	TIME FINISHED
4	1 of 1	1352	1355

PEN. DEP.(FT)	RETRV. DEP.(FT)	SEDIMENT TYPE	ODOR	COLOR (HUE_VALUE/CHROMA)	SAMPLE ID BY DEPTH	MISC
1	1	Silt	None	Dark Bluish Gray	2-F top	
2	2					
3	3	Fine Sand + Clay				Combined to make 2-F top
4	4				2-F MID	
5	5			Dark Greenish Gray (2-11')		
6	6					
7	7					
8	8	Fine Compact Sand			2-F Bottom	
9	9					
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
19	19					
20	20					

NOTES

Used Kenny's instrumentation to determine tide data.

3 Photos