

APPENDIX A:

Marina Del Rey Sediment Characterization Study

Core Logs



Date : 9/20/07

Time (PDT) : 10:55

Client : LA Dept. of Public Works

Station ID: A-1

Latitude (WGS-84) : 33° 58.349

Project: MDR Sediment Characterization

Longitude (WGS-84) : -118° 27.07

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Clayey Silt	Depositional	dark olive gray to olive gray	None	Localized trace fine sand, very slight plasticity, very soft
1					
2	Sandy Clay	Native	Olive gray	None	Slight plasticity, some shell fragments and whole shells, med soft
3					
4					
5	Silty Clay	Native	olive and pale olive gray	None	Med plasticity, med stiff, some shell fragments, brown pocket, shell frags abundant (ostrea, etc)
6					
7					Med plasticity, trace shell frags, med stiff, uniform text/appear
8					

Attempt : 1

Tide (ft.) : 3.6

Water Depth (ft.) : 16.7

Total Pages : 1

Penetration (ft.) : 6

Final Core Length (ft.) : 5.7

Analysis Length (ft.) : 1.8



Date : 9/20/07

Time (PDT) : 10:00

Client : LA Dept. of Public Works

Station ID: A-2

Latitude (WGS-84) : 33° 58.351

Longitude (WGS-84) : -118° 27.251

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Clayey Silt	Depositional	dark olive gray	None	Trace of fine sand, very soft
	Silty Clay	Native	dark olive gray	None	Slight-med plasticity, med soft to soft, trace of shell fragments
1	Sandy Silt	Native	olive gray	None	
		Native	olive gray	None	Little to some clay, slight plasticity, trace shell fragments, med soft
2	Clayey Silt	Native	olive gray	None	
		Native	dark olive gray to olive gray	None	1/2" thick lens med plasticity, stiff, with trace slate gravel
3	Clayey Sand	Native	medium brown	None	Localized trace clay, cohesive, slight micaceous, med dense, trace shell fragment towards base
4	Silty Sand	Native	olive gray	None	Localized blocky with sandy partings, med plasticity, few shell fragments
5					Trace rootlets, trace gravel to 1/4", cohesive, blocky, med dense, black organic pocket
6					Trace clay, cohesive, slight
7					
8					

Attempt : 1

Tide (ft.) : 3.5

Water Depth (ft.) : 15

Total Pages : 1

Penetration (ft.) : 6.5

Final Core Length (ft.) : 4.3

Analysis Length (ft.) : 0.3



Date : 9/19/07

Time (PDT) : 14:10

Client : LA Dept. of Public Works

Station ID: B-1

Latitude (WGS-84) : 33° 58.509

Longitude (WGS-84) : -118° 27.076

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0					
1		Depositional	dark olive gray	None	Very slight plasticity, very soft
2	Clayey Silt				
3		Native	olive gray	None	Slight to med plasticity, very uniform, med soft to soft
4		Native	olive gray	None	Trace to little very fine sand, med soft to soft
4	Sandy Silt	Native	olive gray	None	Little clay, slightly micaceous, very slight plasticity, med soft
5	Clayey Silt	Native	olive gray	None	Trace to few shell fragments, slight plasticity, med soft
6					
7					
8					

Attempt : 1

Tide (ft.) : 4.4

Water Depth (ft.) : 18.3

Total Pages : 1

Penetration (ft.) : 7

Final Core Length (ft.) : 5.4

Analysis Length (ft.) : 2



Date : 9/19/07

Time (PDT) : 15:15

Client : LA Dept. of Public Works

Station ID: B-2

Latitude (WGS-84) : 33° 58.509

Longitude (WGS-84) : -118° 27.306

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Clayey Silt	Depositional	dark olive grey	None	Slightly plastic very soft
1		Native	dark olive gray	None	Trace to little fine sand, trace to few shell fragments, very slight plasticity, med soft
2	Silty Sand	Native	dark olive gray	None	Trace shell fragments, slight micaceous, medium dense
3	Sandy Clay	Native	olive gray	None	Trace shell fragments, slight plasticity, med soft, localized less sand
4	Silty Sand	Native	olive gray	None	Very fine to fine sand to trace clay, few nearly whole shells, med dense
5	Sandy Silt	Native	dark olive gray	None	Trace to little clay, very slight micaceous, very slight plasticity, med stiff
6	Clayey Silt	Native	olive gray	None	Some very fine sand, to very fine sandy clay, slight plasticity, med stiff to stiff
7					
8					

Attempt : 1

Tide (ft.) : 4.4

Water Depth (ft.) : 16.8

Total Pages : 1

Penetration (ft.) : 7

Final Core Length (ft.) : 5.6

Analysis Length (ft.) : 1



Date : 9/19/07

Time (PDT) : 11:10

Client : LA Dept. of Public Works

Station ID: C-1

Latitude (WGS-84) : 33° 58.664

Longitude (WGS-84) : -118° 27.074

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Clayey Silt	Depositional	dark olive gray	None	Trace fine sand, very slight plasticity, soft
1	Sandy Silt	Native	dark olive gray	None	Trace of clay, very slight plasticity, micaceous, med soft to med stiff
2	Clayey Silt	Native	dark olive gray	None	Slight plasticity, med soft
3	Silty Sand	Native	olive gray	None	Silty very fine to fine sand cohesive, trace gravel to trace shell fragment
4	Clayey Silt	Native	olive gray	None	Fine sandy to clayey silt, to gravel nodules, trace shell frags
5					Fine to coarse sandy gravel, little to some silt, trace clay, gravel
6					subrounded to subangular 2.5"
7					
8					

Attempt : 1

Tide (ft.) : 4.1

Water Depth (ft.) : 15.4

Total Pages : 1

Penetration (ft.) : 5

Final Core Length (ft.) : 3.9

Analysis Length (ft.) : 0.9



Date : 9/19/07

Time (PDT) : 13:15

Client : LA Dept. of Public Works

Station ID: C-2

Latitude (WGS-84) : 33° 58.666

Longitude (WGS-84) : -118° 27.316

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Clayey Silt	Depositional	dark olive gray	None	Trace fine sand, very slight plasticity, soft
1	Sandy Silt	Native	olive gray	None	Slight micaceous, non-plastic, med soft, med stiff, sandier downwards
2	Clayey Silt	Native	olive gray to light olive gray	None	Clayey silt to silty clay, med plasticity, very stiff, trace shell frags,
3	Clayey Sand	Native	olive gray to light olive gray	None	trace fine to med sand, few shell fragments, med soft
3	Silty Sand	Native	olive gray	None	Slight micaceous, blocky
4	Clayey Sand	Native	olive gray to olive	None	Micaceous, few shell fragments
5					Clayey very fine sand to very fine sandy clay, med plasticity, slight micaceous, blocky, dense/stiff
6					
7					
8					

Attempt : 1

Tide (ft.) : 4.4

Water Depth (ft.) : 15

Total Pages : 1

Penetration (ft.) : 6

Final Core Length (ft.) : 4

Analysis Length (ft.) : 0.75



Date : 9/19/07

Time (PDT) : 8:00

Client : LA Dept. of Public Works

Station ID: D-1

Latitude (WGS-84) : 33° 58.821

Longitude (WGS-84) : -118° 27.004

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Clayey Silt	Depositional	dark olive gray	None	Low plasticity silt, trace fine sand, very soft
1	Silty Sand	Native	dark olive gray	None	Silty fine sand, slight micaceous, cohesive,
2	Clayey Silt	Native	dark olive gray	None	medium dense,
	Sandy Silt	Native	dark olive gray	None	trace rounded , gravel to 1" base
3	Clayey Silt	Native	dark olive gray	None	Low plasticity silt lens, med plastic to med stiff, same color
	Sandy Clay	Native	olive gray	None	Fine to coarse sandy silt, trace to little clay, few shell fragments, soft.
4	Clayey Silt	Native	olive gray	None	low plasticity, trace shell frags, local olive mottling, med stiff
	Sandy Silt	Native	olive gray	None	Fine to coarse sandy clay, slight plastic to medium plastic, few shell frags, stiff
	Silty Sand	Native	olive grey to olive brown	None	Low plasticity silt, trace gravel to 3/8" few shell fragments, med stiff
5					Low plasticity
6					
7					
8					

Attempt : 1

Tide (ft.) : 3.3

Water Depth (ft.) : 13.7

Total Pages : 1

Penetration (ft.) : 6

Final Core Length (ft.) : 4.9

Analysis Length (ft.) : 1



Date : 9/19/07

Time (PDT) : 9:05

Client : LA Dept. of Public Works

Station ID: D-2

Latitude (WGS-84) : 33° 58.823

Longitude (WGS-84) : -118° 27.229

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Clayey Silt	Depositional	olive gray	Sulpher	Clayey silt to fine sandy silt, med stiff, very slight odor
1	Silty Sand	Native	dark olive gray	None	Silty very fine to fine sand, localized trace clay, micaceous, uniform appearance, med dense
2					
3	Clayey Silt	Native	olive gray	None	with sand pockets, trace gravel down to 3/4", slight med plastic, stiff
4					
4		Native	olive gray	None	Silty fine to medium sand, trace fine gravel to 1/2", trace shell fragment
5					
6					
7					
8					

Attempt : 1

Tide (ft.) : 3.6

Water Depth (ft.) : 13.7

Total Pages : 1

Penetration (ft.) : 6

Final Core Length (ft.) : 4.2

Analysis Length (ft.) : 0.75



Date : 9/19/07

Time (PDT) : 10:10

Client : LA Dept. of Public Works

Station ID: D-3

Latitude (WGS-84) : 33° 58.829

Longitude (WGS-84) : -118° 27.392

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Clayey Silt	Depositional	dark olive gray	Sulpher	Slight plastic, very soft, very slight sulfur odor
1					
2	Silty Sand	Native	olive gray	None	Silty very fine to fine sand, localized trace clay, micaceous, medium dense
3	Clayey Silt	Native	olive gray	None	Very fine to fine round, slight plasticity, med soft to med stiff, uniform
4					
5	Sandy Silt	Native	olive grey	None	Very fine to fine sandy silt, trace clay, very slight plasticity, slight micaceous, med soft
6					
7					
8					

Attempt : 1

Tide (ft.) : 3.8

Water Depth (ft.) : 15.1

Total Pages : 1

Penetration (ft.) : 7

Final Core Length (ft.) : 5

Analysis Length (ft.) : 1.3



Date : 9/18/07

Time (PDT) : 13:55

Client : LA Dept. of Public Works

Station ID: E-1

Latitude (WGS-84) : 33° 58.966

Project: MDR Sediment Characterization

Longitude (WGS-84) : -118° 26.942

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0		Depositional	dark olive grey	None	trace sand and fine gravel
1		Native	olive grey	None	silty fine to medium sand, some gravel
2		Native	dark brown	None	
3		Native	olive gray	None	silty fine to medium sand, some gravelsilty fine to medium sand, some gravel
4					
5					
6					
7					
8					

Attempt : 1

Tide (ft.) : 4.5

Water Depth (ft.) : 16.8

Total Pages : 1

Penetration (ft.) : 6

Final Core Length (ft.) : 3.2

Analysis Length (ft.) : 1.5



Date : 9/18/07

Time (PDT) : 14:50

Client : LA Dept. of Public Works

Station ID: E-2

Latitude (WGS-84) : 33° 58.979

Project: MDR Sediment Characterization

Longitude (WGS-84) : -118° 27.067

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0			none	None	NO RECOVERY
1					
2					
3					
4					
5					
6					
7					
8					

Attempt : 1

Penetration (ft.) : 7

Tide (ft.) : 4.3

Final Core Length (ft.) : 3.5

Water Depth (ft.) : 16

Analysis Length (ft.) : 0

Total Pages : 1



Date : 9/18/07

Time (PDT) : 15:14

Client : LA Dept. of Public Works

Station ID: E-2

Latitude (WGS-84) : 33° 58.979

Longitude (WGS-84) : -118° 27.067

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments					
0										
1						Clayey Silt	Depositional	dark olive gray	None	very soft
2						Silty Clay	Native	olive gray	None	trace sand
3						Silty Sand	Native	olive brown, yellow brown	None	silty fine sand
4			light olive brown	None	siltyfine to coarse sand					
5										
6										
7										
8										

Attempt : 2

Tide (ft.) : 4.2

Water Depth (ft.) : 16

Total Pages : 1

Penetration (ft.) : 5

Final Core Length (ft.) : 3

Analysis Length (ft.) : 1.7



Date : 9/18/07

Time (PDT) : 16:49

Client : LA Dept. of Public Works

Station ID: E-3

Latitude (WGS-84) : 33° 58.979

Longitude (WGS-84) : -118° 27.216

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments					
0										
1						Clayey Silt	Depositional	olive grey	None	Very soft, trace sand downward
2						Sandy Clay	Native	olive grey to olive	None	Sandy as fine to coarse, little gravel to one inch
3	Silty Sand	Native	olive brown, yellow brown	None	micaceous, less silt downward					
4										
5										
6										
7										
8										

Attempt : 1

Tide (ft.) : 4

Water Depth (ft.) : 15.8

Total Pages : 1

Penetration (ft.) : 4.5

Final Core Length (ft.) : 3

Analysis Length (ft.) : 1.7



Date : 9/18/07

Time (PDT) : 16:58

Client : LA Dept. of Public Works

Station ID: E-4

Latitude (WGS-84) : 33° 58.972

Longitude (WGS-84) : -118° 27.357

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0		Depositional	Olive grey and olive	None	Sandy clay also, sediment mixed, loose to medium soft.
1		Native	Olive brown to yellow brown	None	With clay, micaceous, very stiff. Refusal at 2 ft.
2					
3					
4					
5					
6					
7					
8					

Attempt : 1

Tide (ft.) : 3.5

Water Depth (ft.) : 16.1

Total Pages : 1

Penetration (ft.) : 2

Final Core Length (ft.) : 1.5

Analysis Length (ft.) : 1



Date : 9/18/07

Time (PDT) : 11:10

Client : LA Dept. of Public Works

Station ID: F-1

Latitude (WGS-84) : 33° 58.913

Longitude (WGS-84) : -118° 26.717

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0					
1	Clayey Silt	Depositional	olive grey	None	very soft
2					
3	Silty Sand	Native	olive brown	None	silty fine sand
3	Fine Grain Sand	Native	olive brown	None	fine sandy silt
4					
5	Silty Sand	Native	medium brown	None	less silt and browner towards bottom
6					
7					
8					

Attempt : 1

Tide (ft.) : 4.5

Water Depth (ft.) : 15.2

Total Pages : 1

Penetration (ft.) : 7

Final Core Length (ft.) : 5.5

Analysis Length (ft.) : 2.2



Date : 9/20/07

Time (PDT) : 8:50

Client : LA Dept. of Public Works

Station ID: G-1

Latitude (WGS-84) : 33° 58.73

Longitude (WGS-84) : -118° 26.713

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Clayey Silt	Depositional	dark olive gray	None	Trace of fine sand, very slight plasticity, very soft
1	Silty Sand	Native	dark olive gray	None	Trace of clay, cohesive, slightly sticky, med loose
2	Clayey Silt	Native	dark olive gray	None	Trace to little fine sand, very slight plasticity, soft, trace shell fragments toward base
3	Silty Clay	Native	dark olive gray to olive gray	None	Trace of fine sand, slight plasticity, med soft
4	Silty Clay	Native	olive gray to olive green	Sulphur	Localized trace sand, med plasticity, few nodules/concretions, few brown oxide flecks
5	Silty Sand	Native	olive gray to grayish brown	Sulphur	Less silt downwards, slight cohesive, micaceous, med dense, obvious sulfur
6					
7					
8					

Attempt : 1

Tide (ft.) : 3.5

Water Depth (ft.) : 14.9

Total Pages : 1

Penetration (ft.) : 6

Final Core Length (ft.) : 4.8

Analysis Length (ft.) : 1



Date : 9/20/07

Time (PDT) : 7:45

Client : LA Dept. of Public Works

Station ID: G-2

Latitude (WGS-84) : 33° 58.802

Longitude (WGS-84) : -118° 26.567

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Clayey Silt	Depositional	dark olive gray	None	Trace fine sand, slight plasticity, very soft,
1		Native	dark olive gray	None	Sandy silt with clay to fine-med sandy clay, slight plasticity, mixed litho, trace gravel at base
2	Sandy Silt	Native	olive to olive brown mottled	None	Little to some clay, slight plasticity, slight micaceous, stiff, blocky
3		Native	olive with yellow brown oxide mottled	None	Trace of clay, cohesive, uniform appearance and texture, coarser and less silty downward, med dense
4	Silty Sand	Native	olive to pale olive	None	Silt, trace sand, trace clay, slight micaceous, very slight plastic/elastic, med soft, to med stiff
5		Native		None	
6					
7					
8					

Attempt : 1

Tide (ft.) : 3.5

Water Depth (ft.) : 15.8

Total Pages : 1

Penetration (ft.) : 6

Final Core Length (ft.) : 5.1

Analysis Length (ft.) : 2



Date : 9/20/07

Time (PDT) : 12:00

Client : LA Dept. of Public Works

Station ID: H-1

Latitude (WGS-84) : 33° 58.561

Longitude (WGS-84) : -118° 26.72

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Clayey Silt	Depositional	Olive gray	None	Couple olive brown pockets at base, very slight plasticity, very soft non-plastic, slight micaceous, less silt downwards, med soft cohesive, med dense with clayey silt, slight plasticity, crumbly green brown clay, shell frags, med soft/stiff
1	Sandy Silt	Native	dark olive gray	None	
	Silty Sand	Native	olive gray to gray	None	
2	Fine Grain Sand	Native	olive gray	None	
3					
4					
5					
6					
7					
8					

Attempt : 1

Tide (ft.) : 3.7

Water Depth (ft.) : 15

Total Pages : 1

Penetration (ft.) : 6.5

Final Core Length (ft.) : 5

Analysis Length (ft.) : 0.8



Date : 9/19/07

Time (PDT) : 16:40

Client : LA Dept. of Public Works

Station ID: H-2

Latitude (WGS-84) : 33° 58.629

Longitude (WGS-84) : -118° 26.579

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Clayey Silt	Depositional	dark olive gray	None	Little very fine to fine sand, very slight plasticity, very soft
1	Sandy Silt	Native	dark olive gray	None	Very fine to fine sandy silt to trace of clay, non-plasticity to slight plasticity, med stiff
2	Silty Sand	Native	dark olive gray	None	Slight micaceous, cohesive, med dense
3	Clayey Silt	Native	olive gray	None	Trace to little very fine sand, slight micaceous, very slight plasticity
4	Silty Sand	Native	olive gray	None	Localized less silt, med dense
5	Fine Grain Sand	Native	dark brown	None	To silty clay, granular clay pockets, med plasticity, med soft to med stiff
6	Clayey Silt	Native	olive gray to pale gray	Sulpher	with organic rich peat layer, silt and clay, very slight vague odor
7					To silty clay, med plasticity, trace shells/frags, slight sulfur odor
8					

Attempt : 1

Tide (ft.) : 4.1

Water Depth (ft.) : 15.5

Total Pages : 1

Penetration (ft.) : 7

Final Core Length (ft.) : 6

Analysis Length (ft.) : 1



Date : 9/18/07

Time (PDT) : 9:55

Client : LA Dept. of Public Works

Station ID: MC-1

Latitude (WGS-84) : 33° 58.834

Longitude (WGS-84) : -118° 26.882

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0					
1	Clayey Silt	Depositional	dark olive grey	None	trace shells
2					
3	Silty Sand	Native	dark grey brown	None	trace clay
4	Silty Clay	Native	olive grey, yellow brown, dark brown	None	few oxides, sandy pockets
5	Silty Sand	Native	medium brown	None	silty fine to coarse sand, some gravel, trace clay, clay clasts
6					
7					
8					

Attempt : 1

Tide (ft.) : 4.3

Water Depth (ft.) : 15

Total Pages : 1

Penetration (ft.) : 7

Final Core Length (ft.) : 5.5

Analysis Length (ft.) : 2.5



Date : 9/17/07

Time (PDT) : 16:55

Client : LA Dept. of Public Works

Station ID: MC-2

Latitude (WGS-84) : 33° 58.672

Longitude (WGS-84) : -118° 26.88

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Clayey Silt	Depositional	very dark grey brown	None	very soft
1		Depositional	very dark grey brown	None	
2	Silty Clay	Depositional	very dark grey	None	mixed silty clay with clayey silt
3		Native	dark greyish brown	None	filamentous oxides present
4					
5					
6					
7					
8					

Attempt : 1

Tide (ft.) : 2.9

Water Depth (ft.) : 15.6

Total Pages : 1

Penetration (ft.) : 4

Final Core Length (ft.) : 3

Analysis Length (ft.) : 2



Date : 9/17/07

Time (PDT) : 13:45

Client : LA Dept. of Public Works

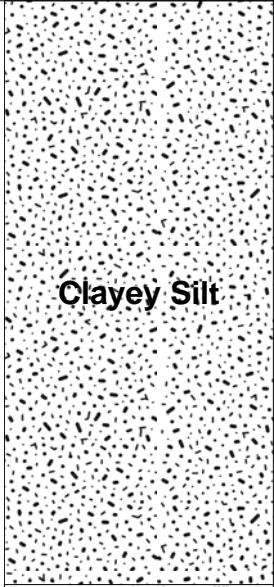
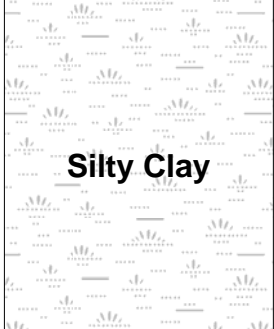
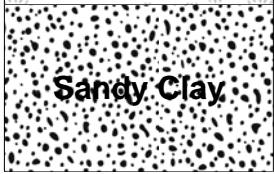
Station ID: MC-3

Latitude (WGS-84) : 33° 58.516

Longitude (WGS-84) : -118° 26.887

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	 <p>Clayey Silt</p>	Depositional	very dark olive grey	None	Slightly plastic very soft
1					
2					
3	 <p>Silty Clay</p>	Native	olive brown	None	Med. Plasticity
4					
5	 <p>Sandy Clay</p>	Native	dark olive grey	None	
6					
7					
8					

Attempt : 1

Tide (ft.) : 4.6

Water Depth (ft.) : 20

Total Pages : 1

Penetration (ft.) : 8

Final Core Length (ft.) : 6

Analysis Length (ft.) : 3.5



Date : 9/17/07

Time (PDT) : 15:31

Client : LA Dept. of Public Works

Station ID: MC-4

Latitude (WGS-84) : 33° 58.351

Longitude (WGS-84) : -118° 26.904

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0	Silty Sand	Depositional	dark grey	None	Native Material
1					
2	Sandy Clay	Native	dark grey	None	sandy clayey silt
3					
4	Clayey Silt	Native	dark olive	None	
5					
6					
7					
8					

Attempt : 1

Tide (ft.) : 3.8

Water Depth (ft.) : 20.5

Total Pages : 1

Penetration (ft.) : 8

Final Core Length (ft.) : 5

Analysis Length (ft.) : 1.5



Date : 9/18/07

Time (PDT) : 8:09

Client : LA Dept. of Public Works

Station ID: MC-5

Latitude (WGS-84) : 33° 58.13

Longitude (WGS-84) : -118° 26.897

Project: MDR Sediment Characterization

Project Location : Marina Del Rey Harbor, CA

Depth (ft.)	Lithology	Soil Description	Color	Odor	Comments
0					
1		Depositional	dark grey	Sulpher	very soft
2					
3		Native	dark grey	None	shell fragments, clay clasts
3.5		Native	dark olive gray	None	silty fine sand some fine clay trace shells
4					
5					
6					
7					
8					

Attempt : 1

Tide (ft.) : 3.9

Water Depth (ft.) : 24.9

Total Pages : 1

Penetration (ft.) : 7.5

Final Core Length (ft.) : 3.5

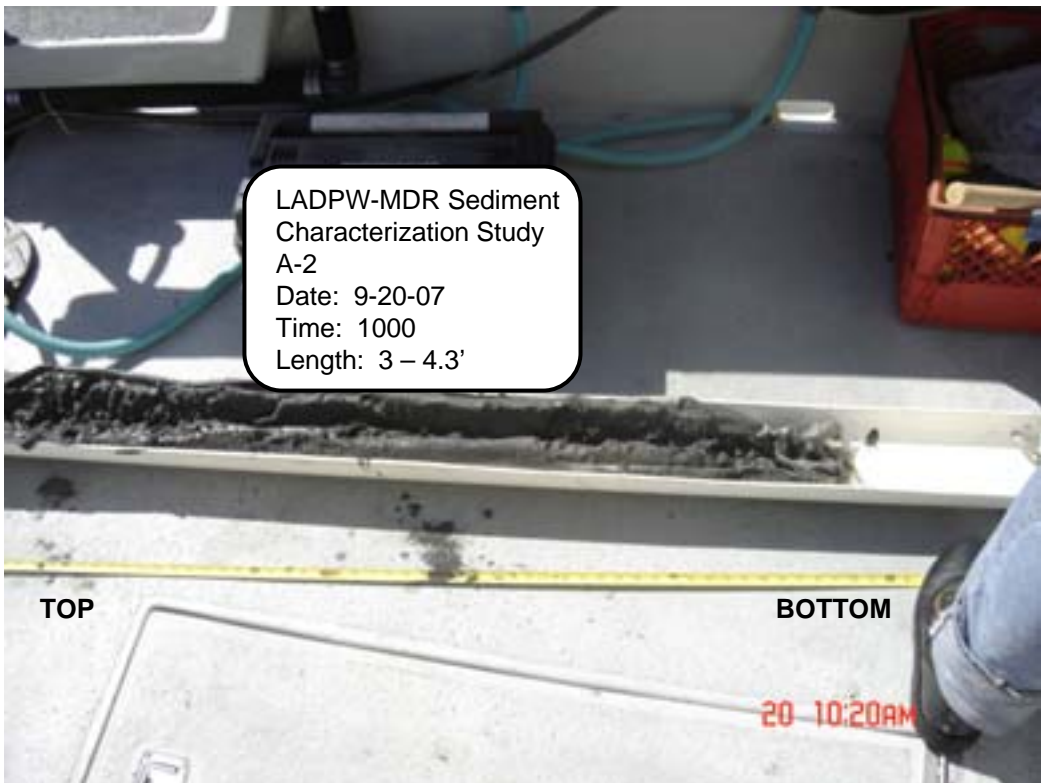
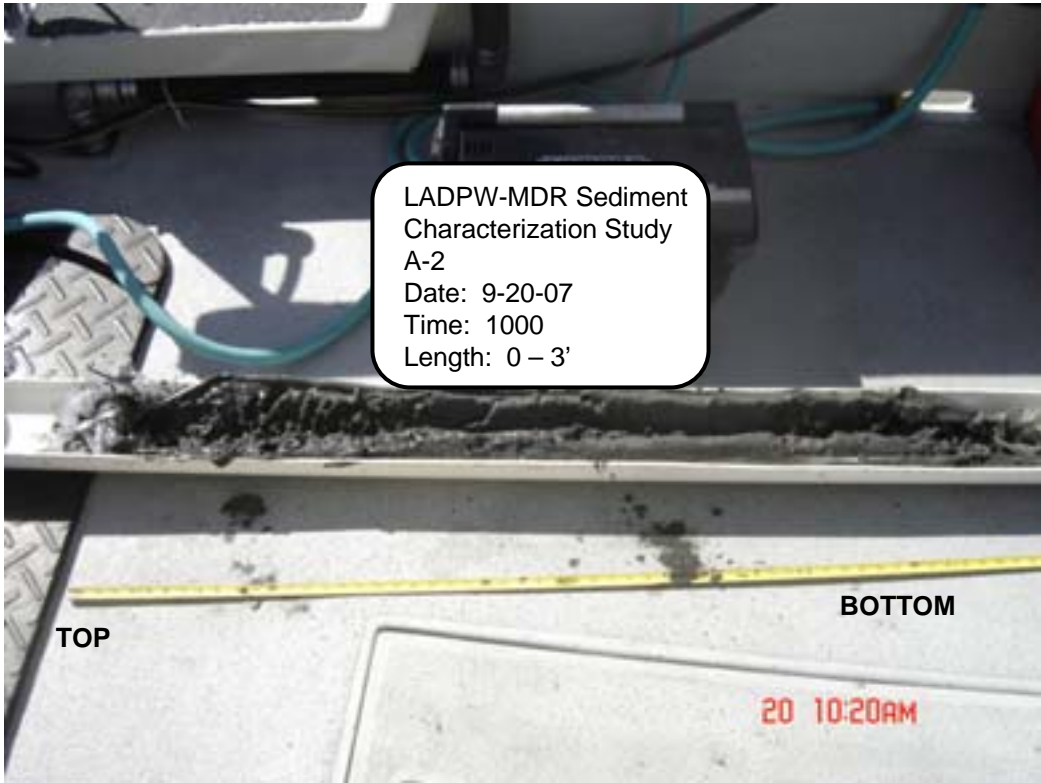
Analysis Length (ft.) : 2.3

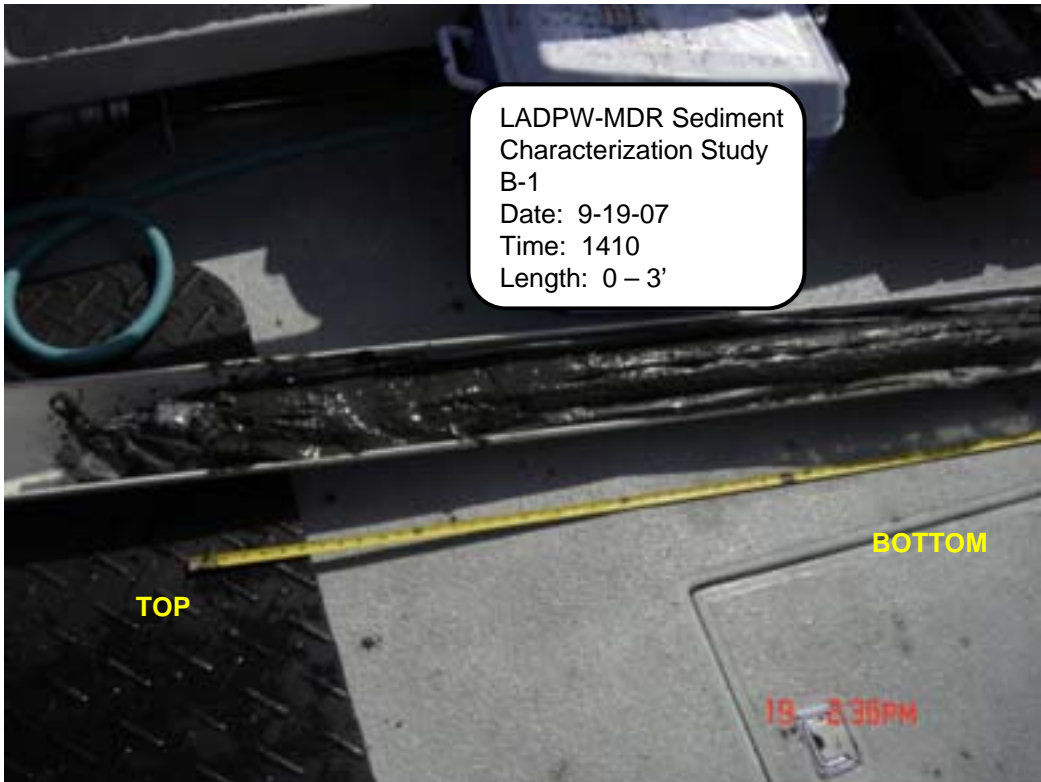
APPENDIX B:

Marina Del Rey Sediment Characterization Study

Core Photographs











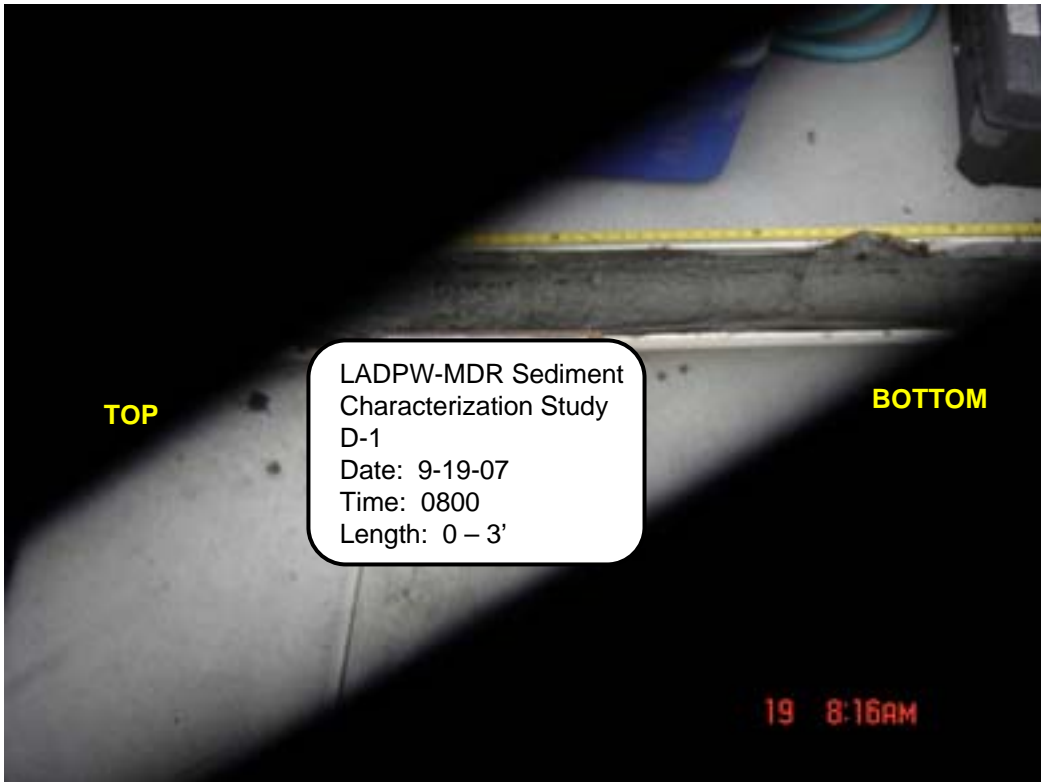
LADPW-MDR Sediment
Characterization Study
C-1
Date: 9-19-07
Time: 1110
Length: 0 - 3.9'

TOP

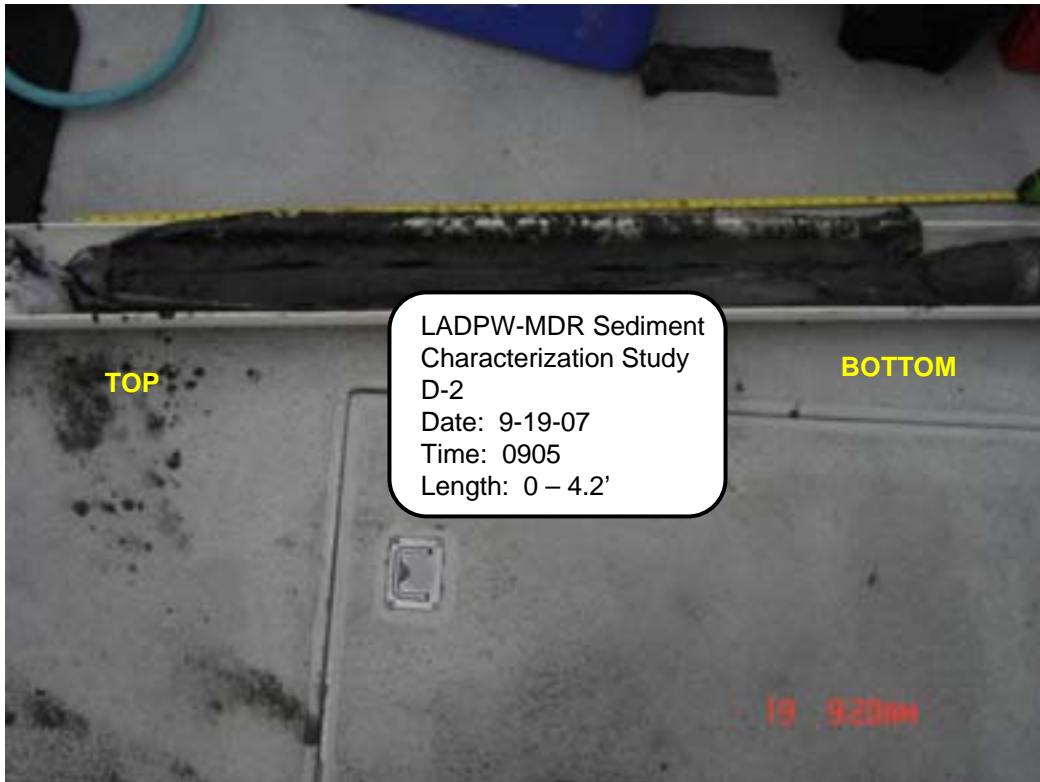
BOTTOM

18 11:29am





* Lens only partially open.



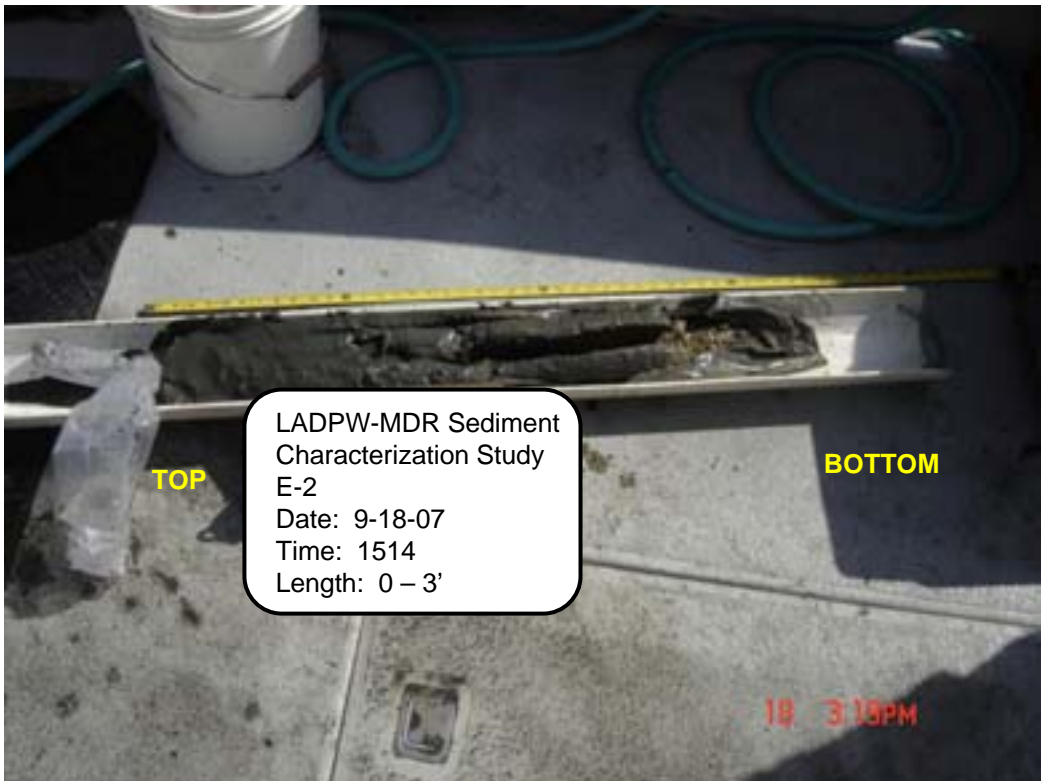
LADPW-MDR Sediment
Characterization Study
D-2
Date: 9-19-07
Time: 0905
Length: 0 - 4.2'

TOP

BOTTOM

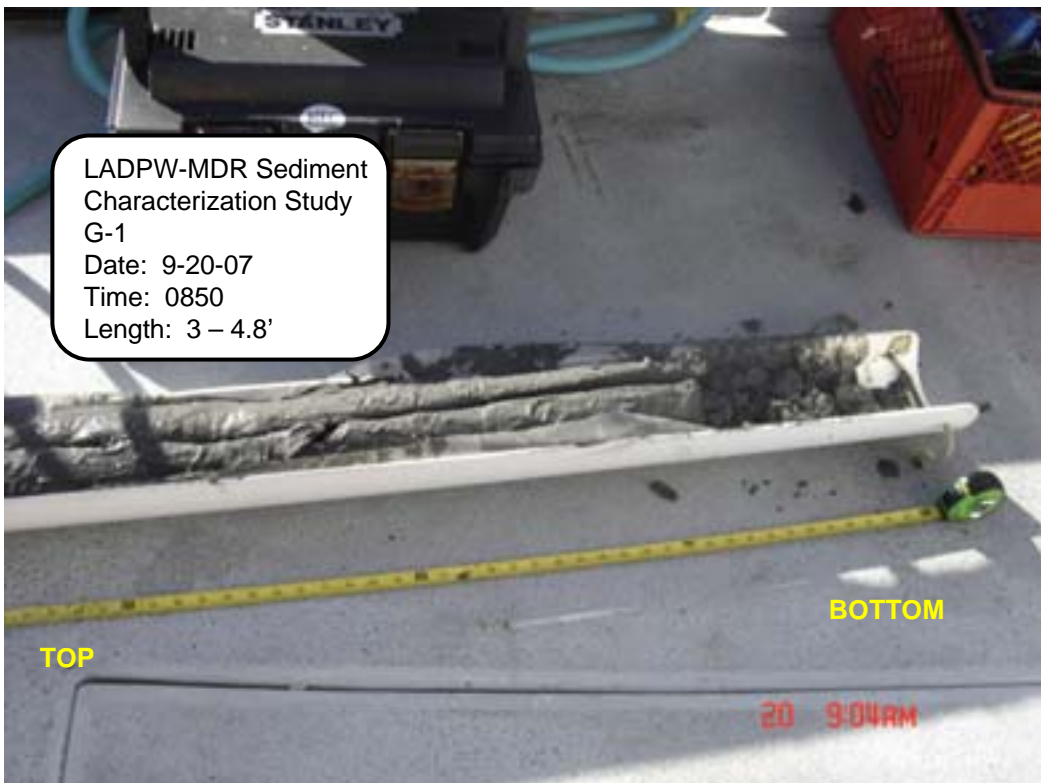
19 9:20 AM



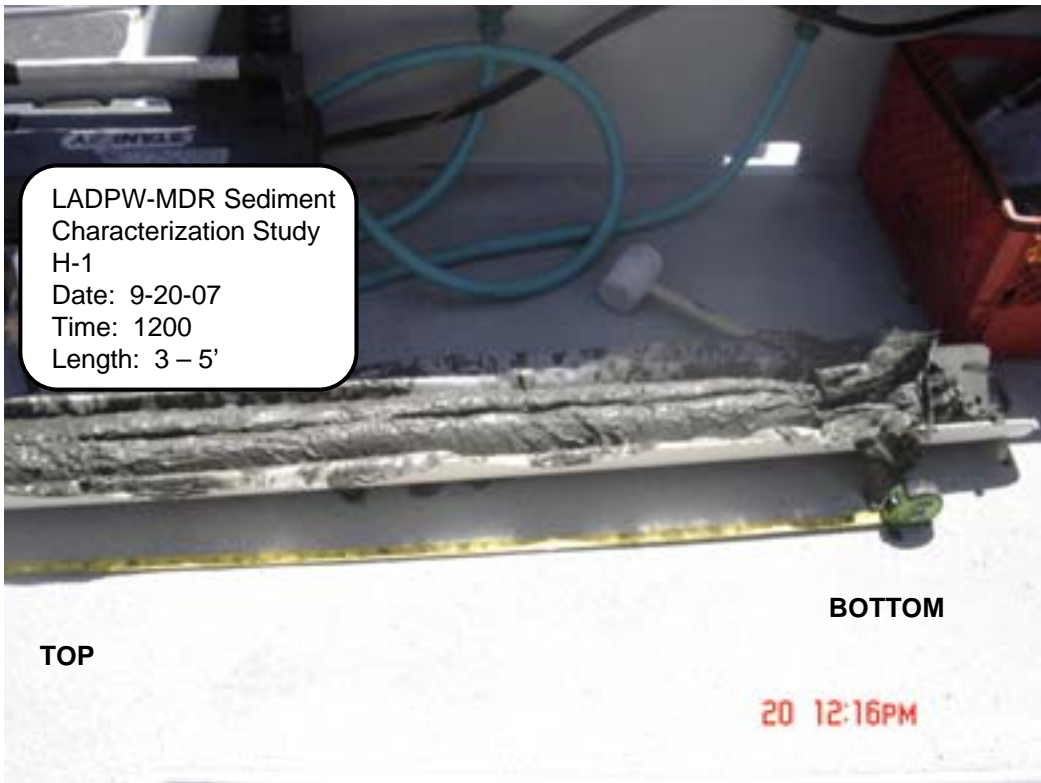
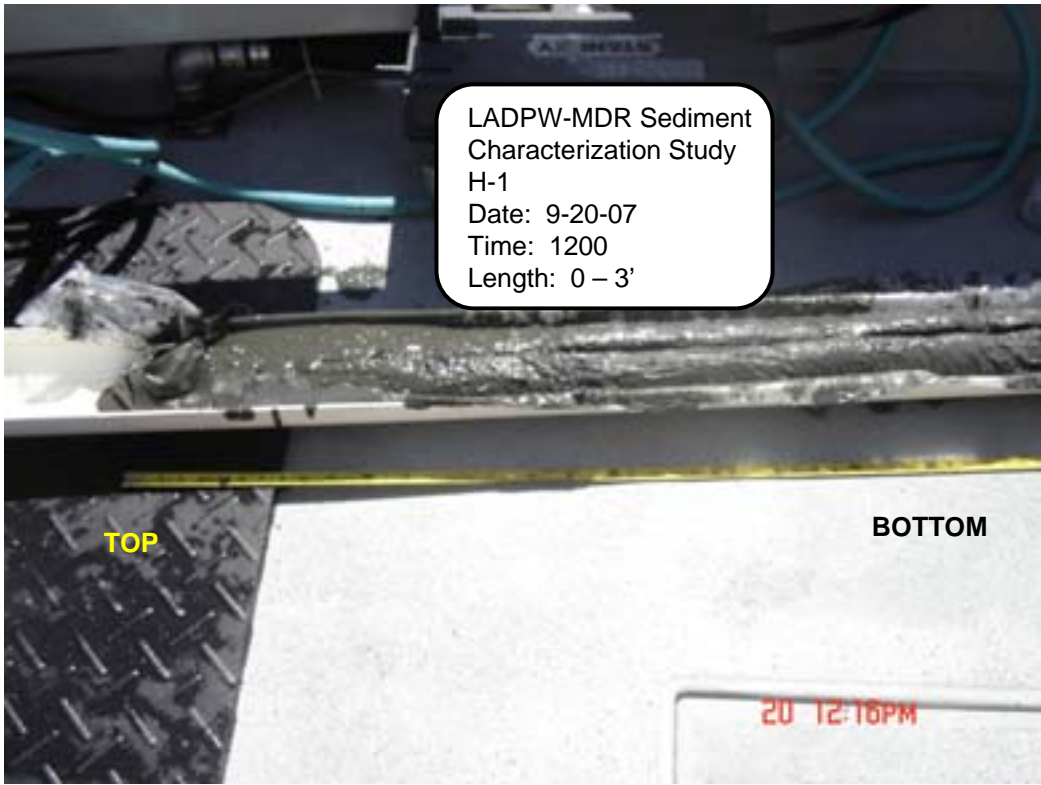


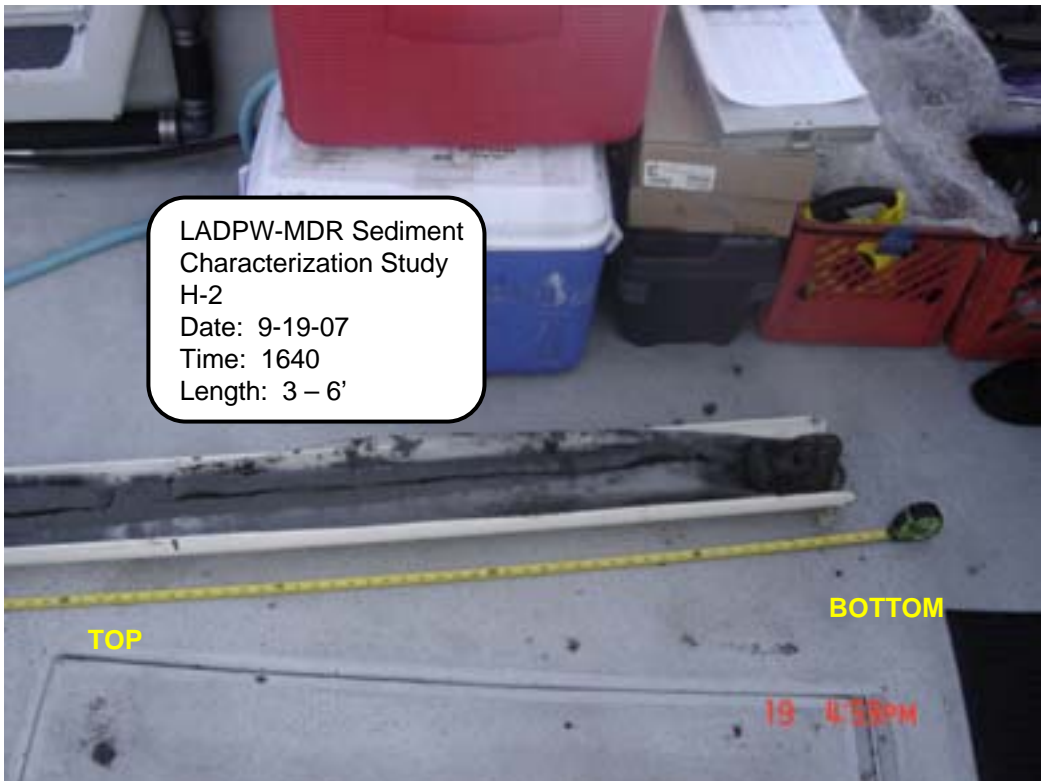
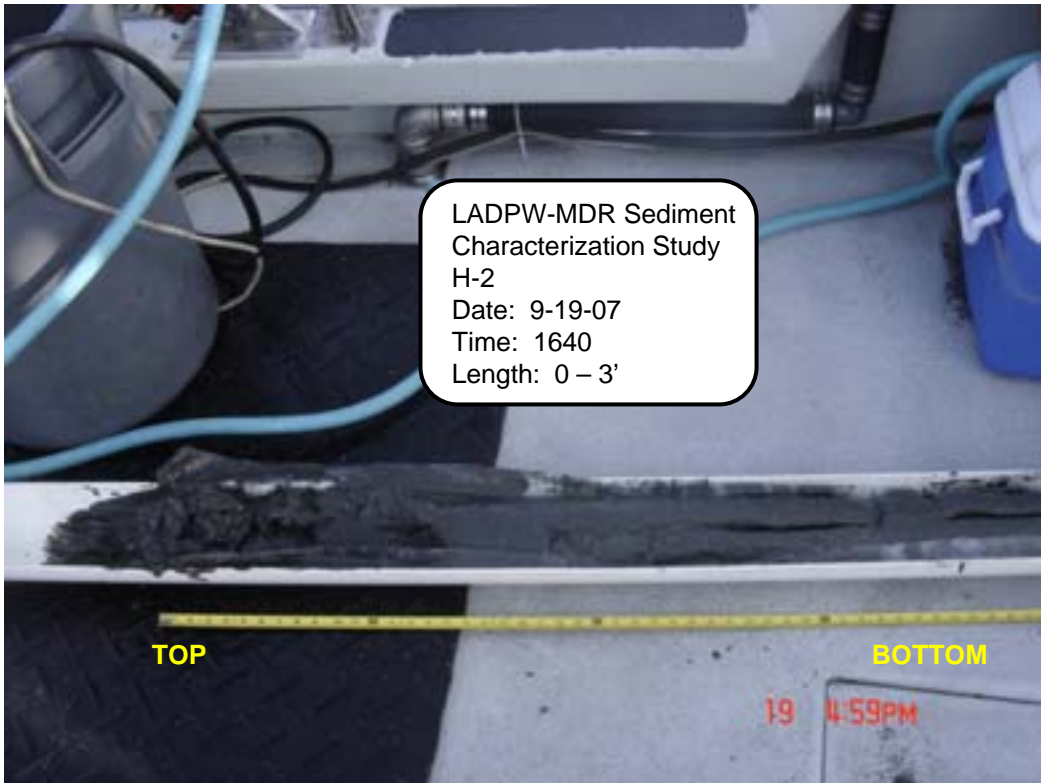


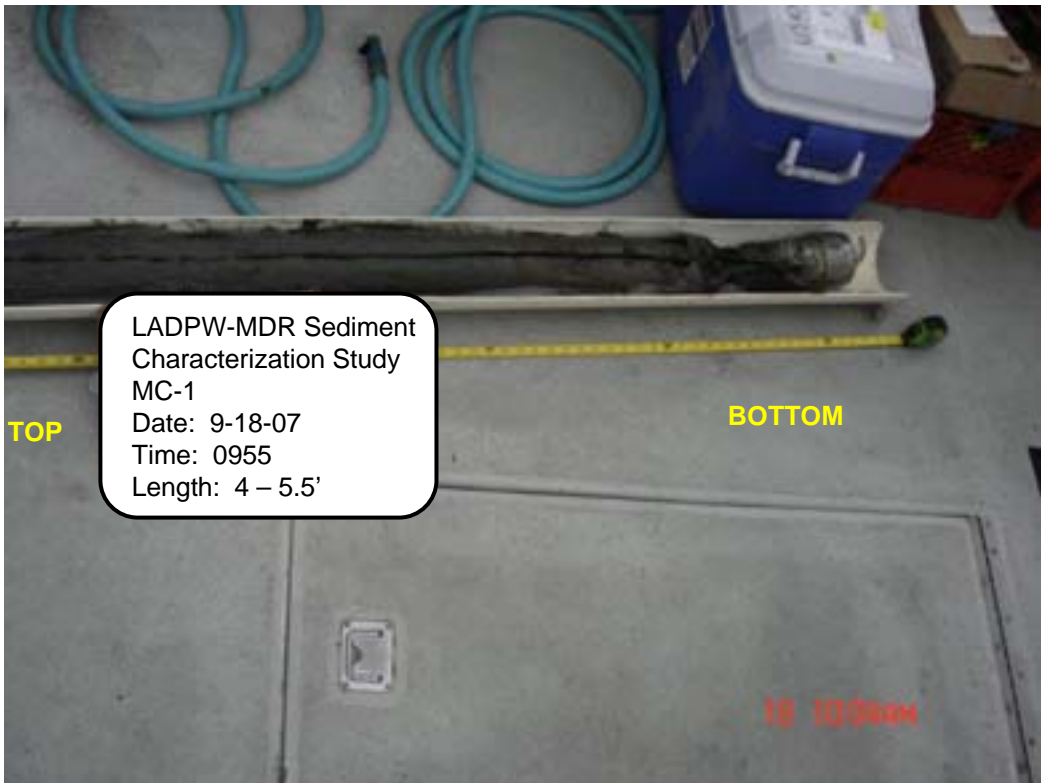


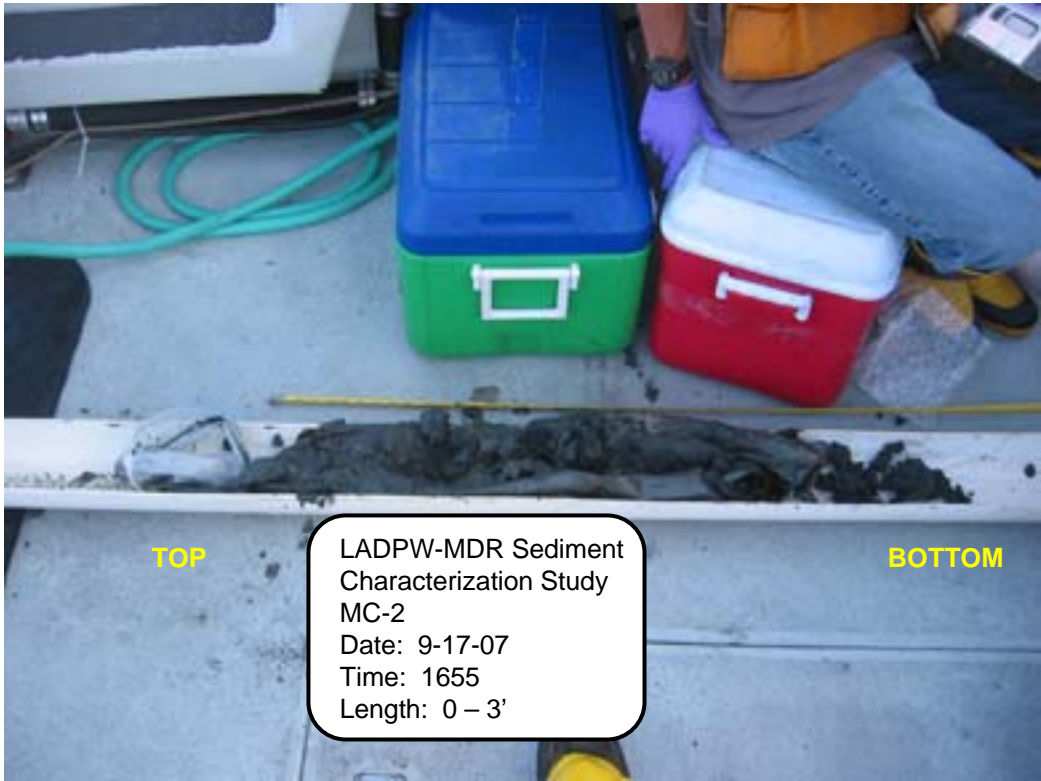








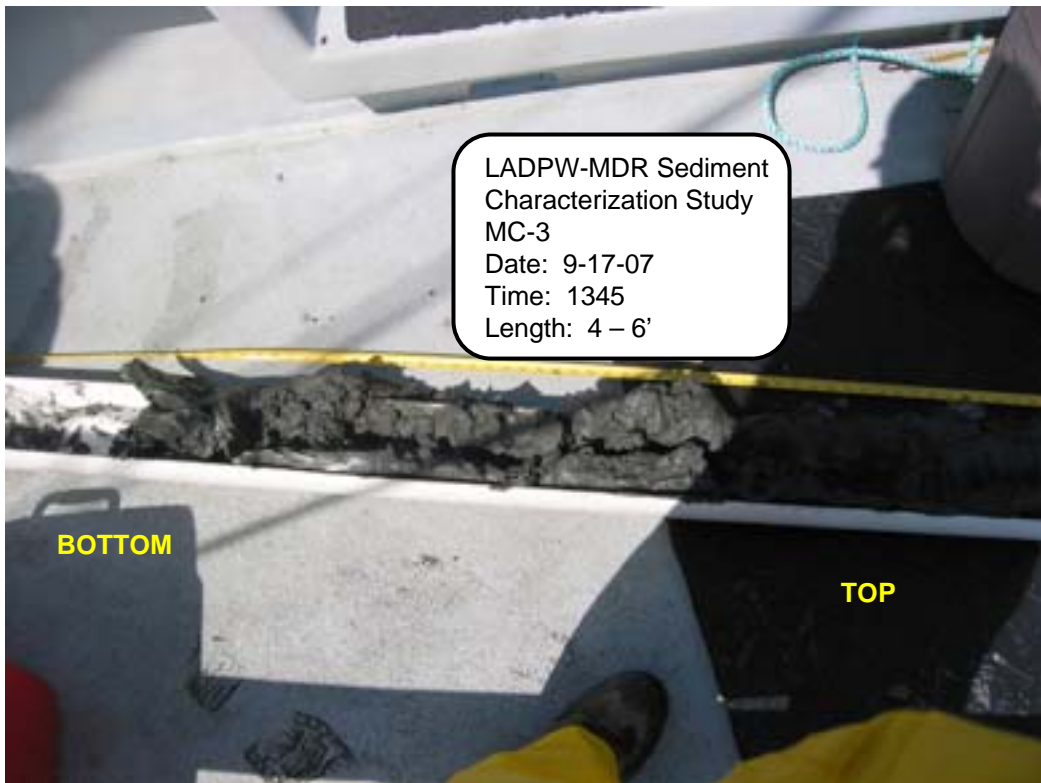
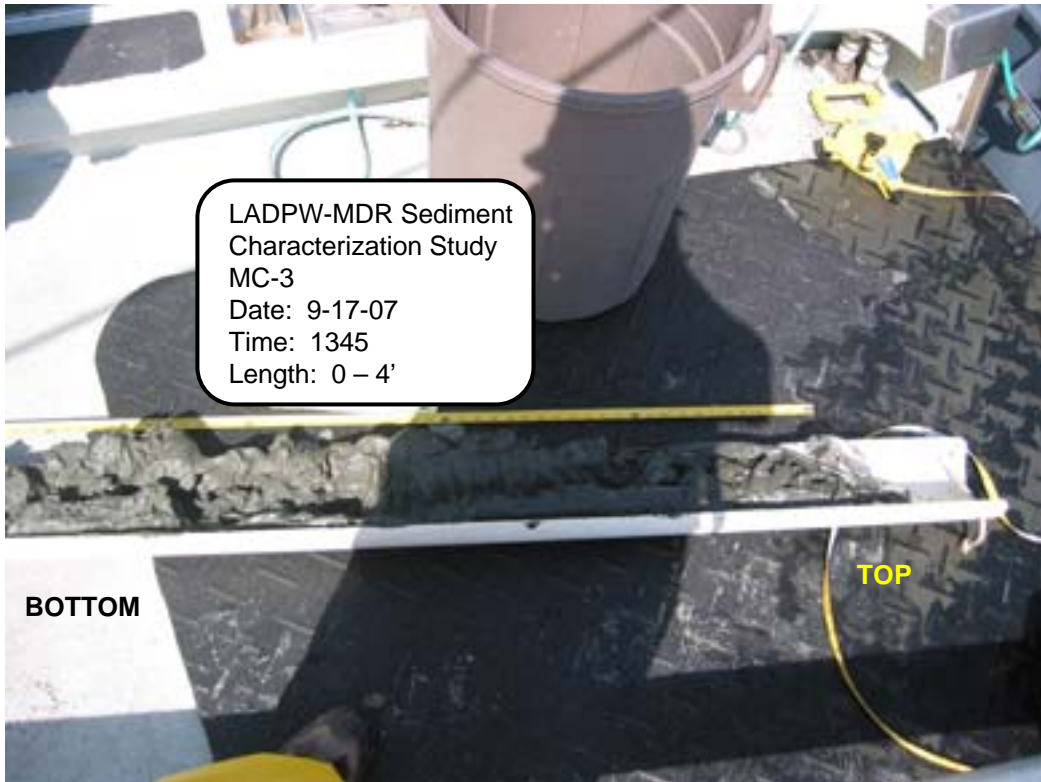


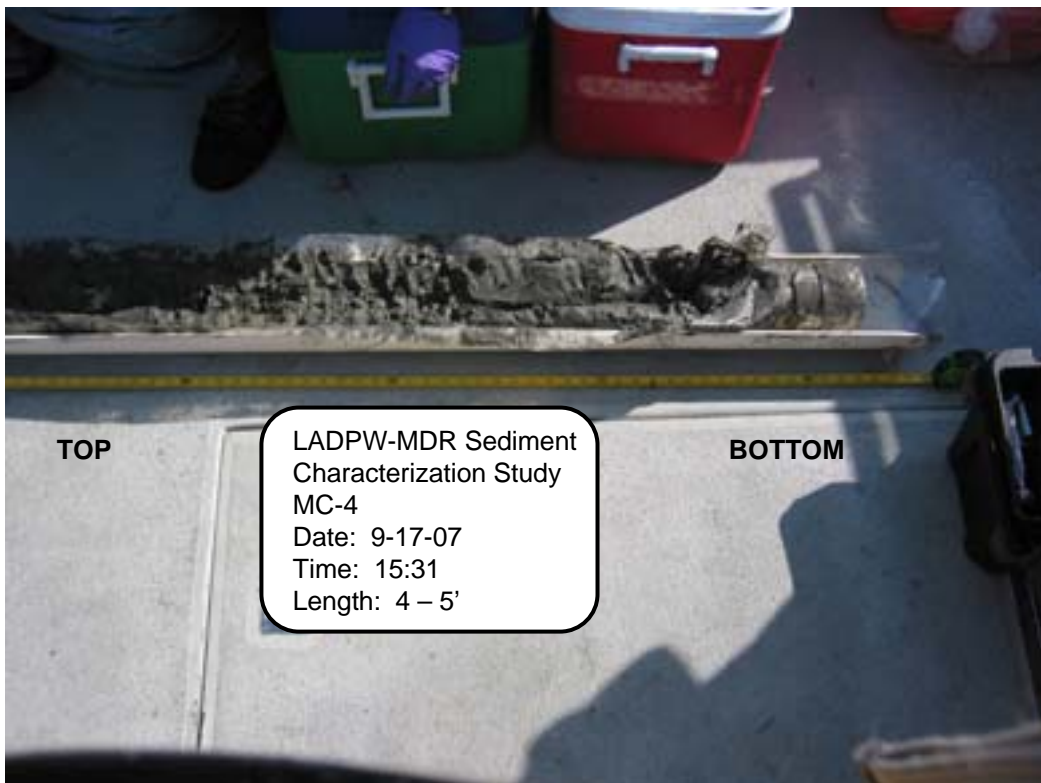
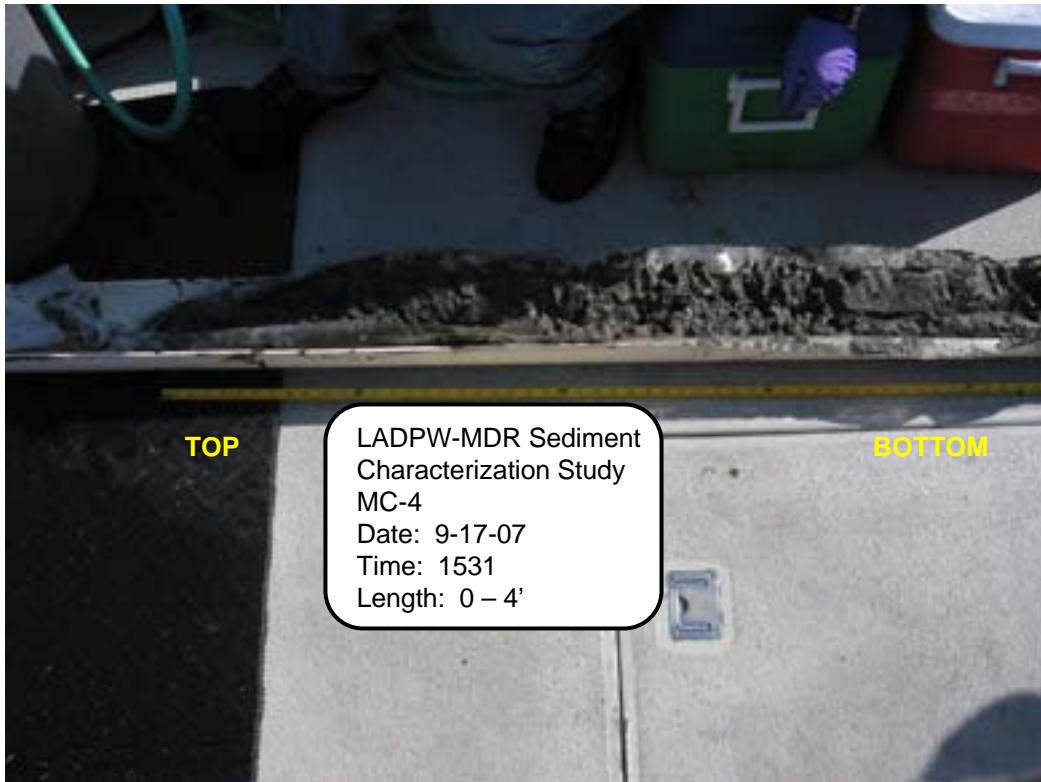


TOP

LADPW-MDR Sediment
Characterization Study
MC-2
Date: 9-17-07
Time: 1655
Length: 0 - 3'

BOTTOM







TOP

BOTTOM

LADPW-MDR Sediment
Characterization Study
MC-5
Date: 9-18-07
Time: 0809
Length: 0 - 3.5'

10 9 18AM