

## Pier 1 North (Northern Section)

**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 7/30/2015

**Latitude:** 32° 41.558'  
**Longitude:** -117° 08.758'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -22.0

**Time:** 11:05

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-01A-D-0005	SILT: @0-14cm: Moist, stiff, clayey SILT.	Brown	None	
5						
15			SILT: @14-30cm: Moist, stiff, clayey SILT, trace fine sand.			
20		SD-N-C-01A-D-0535				
25						
30						
35			SILT: @30-39cm: Moist, very stiff, clayey SILT, trace fine sand.			
40		Discarded				
45			End of core @39cm.			
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 26.2      **Target Penetration (cm):** 35.0  
**Tide (ft):** 4.2      **Actual Penetration (cm):** 63.0  
**Recovery (%):** 39%      **Recovered Core Length (cm):** 39.0

**Log of Station ID:** SD-N-C-01A-D

**Additional Notes:** Attempt 3.



Sediment Core from Station SD-N-C-01A-D (July 30, 2015)



Sediment Core from Station SD-N-C-01A-D (July 30, 2015)

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 7/30/2015

**Latitude:** 32° 41.563'  
**Longitude:** -117° 08.740'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -16.0

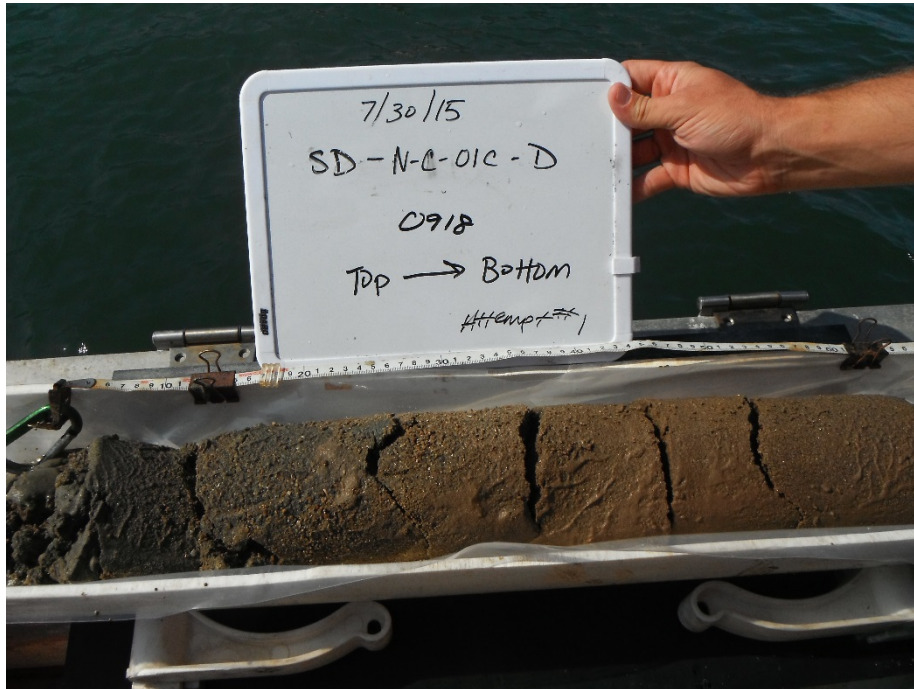
**Time:** 09:18

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-01C-D-0005	SAND: @0-20cm: Moist, medium to coarse SAND.	Dark brown to light brown	None	
5						
20		SD-N-C-01C-D-0535	SAND: @20-35cm: Moist, medium to coarse SAND.			
35						
40			SAND: @35-62cm: Moist, fine to medium SAND, trace silt.			
50		Discarded				
62			End of core @62cm.			
65						
70						
75						
80						
85						
90						
95						
100						

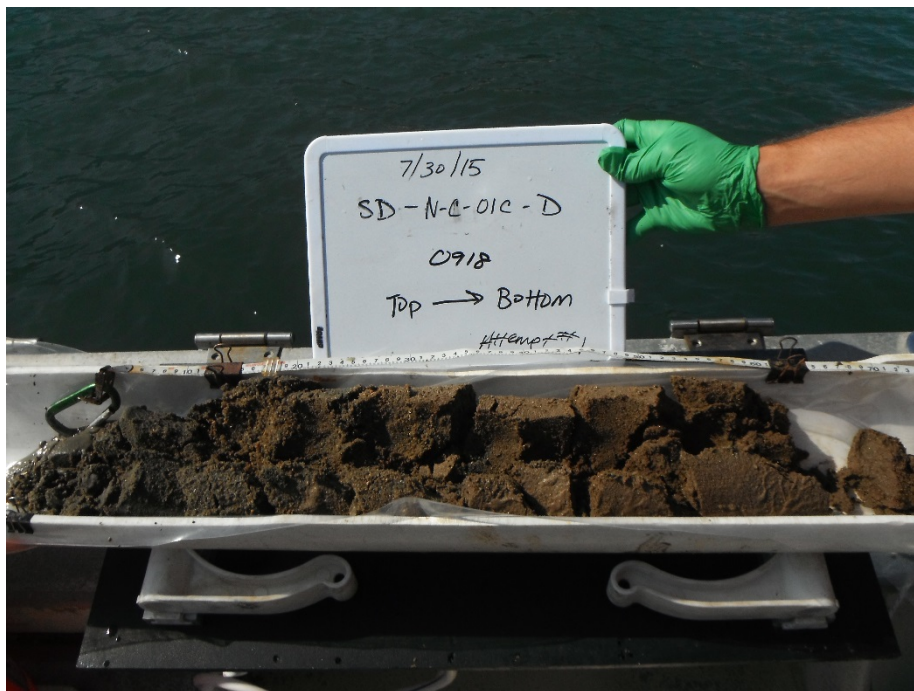
**Water Depth (ft):** 20.5      **Target Penetration (cm):** 35.0  
**Tide (ft):** 4.5      **Actual Penetration (cm):** 63.0  
**Recovery (%):** 98%      **Recovered Core Length (cm):** 62.0

**Log of Station ID:** SD-N-C-01C-D

**Additional Notes:** Attempt 1.



Sediment Core from Station SD-N-C-01C-D (July 30, 2015)



Sediment Core from Station SD-N-C-01C-D (July 30, 2015)

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 08/12/2015

**Latitude:** 32° 41.551'  
**Longitude:** -117° 08.769'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -18.9

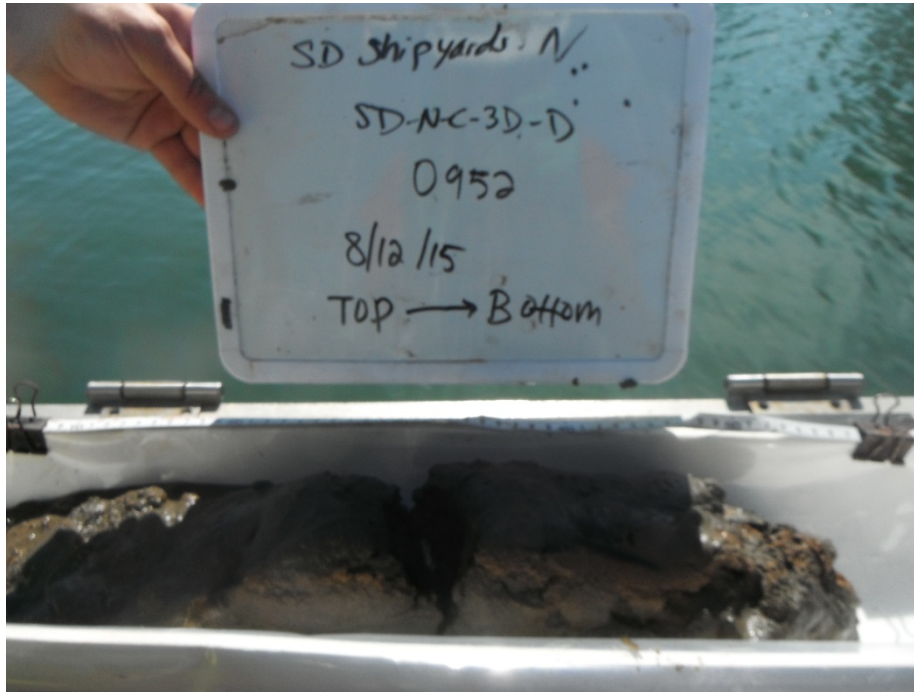
**Time:** 09:52

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-03D-D-0005	SAND: @0-22cm: Wet, loose, fine silty SAND.	Brown	None	
5						
10						
15						
20		SD-N-C-03D-D-0535	SAND: @22-33cm: Moist, loose to medium dense, fine SAND, trace clay.	Light brown to brown with black stripes		
25						
30						
35			SAND: @33-57cm: Moist, medium dense to dense, fine SAND, trace clayey silt.	Brown	None	
40						
45	Discarded					
50						
55			Light brown to brown with black stripes			
60			End of core @57cm.			
65						
70						
75						
80						
85						
90						
95						
100						

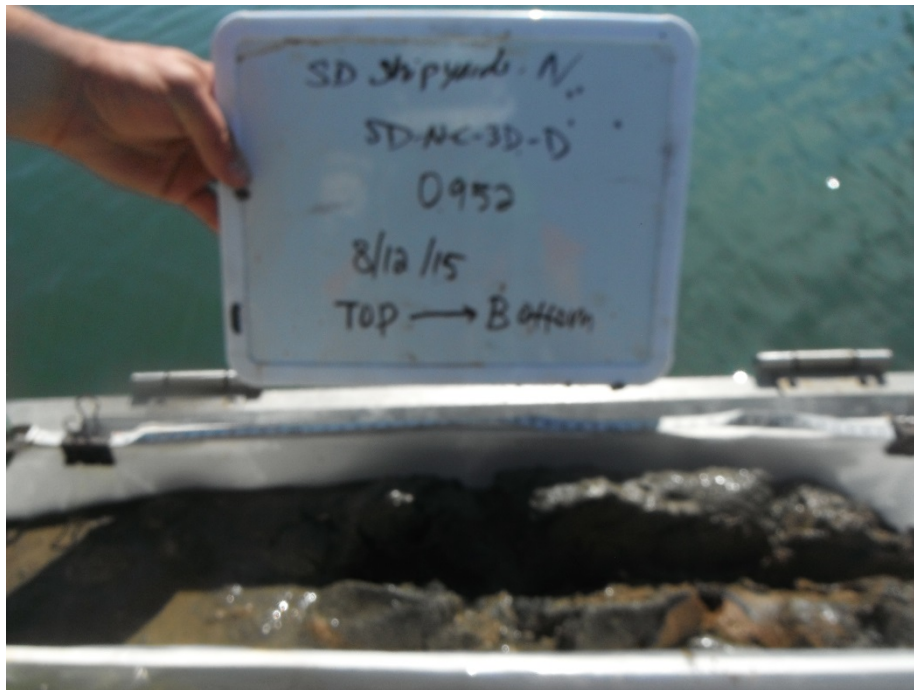
**Water Depth (ft):** 22.9      **Target Penetration (cm):** 35.0  
**Tide (ft):** 4.0      **Actual Penetration (cm):** 64.0  
**Recovery (%):** 89%      **Recovered Core Length (cm):** 57.0

**Log of Station ID:** SD-N-C-03D-D

**Additional Notes:** Attempt 1.



Sediment Core from Station SD-N-C-03-D (August 12, 2015)



Sediment Core from Station SD-N-C-03-D (August 12, 2015)

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 08/12/2015

**Latitude:** 32° 41.539'  
**Longitude:** -117° 08.770'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -22.5

**Time:** 09:01

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0	[Diagonal hatching pattern]	SD-N-C-04A-D-0005	CLAY: @0-30cm: Moist, stiff CLAY, trace loose, fine, silty sand.			
5						
10						
15						
20		SD-N-C-04A-D-0535		Dark brown		
25					None	
30						
35	[Dotted pattern]		SAND: @30-48cm: Moist, loose, silty SAND, trace stiff silty clay.			
40						@30-48cm: Trace shells.
45		Discarded		Dark brown with spots of light brown		
50			End of core @48cm.			
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 27.1      **Target Penetration (cm):** 35.0  
**Tide (ft):** 4.7      **Actual Penetration (cm):** 60.0  
**Recovery (%):** 80%      **Recovered Core Length (cm):** 48.0

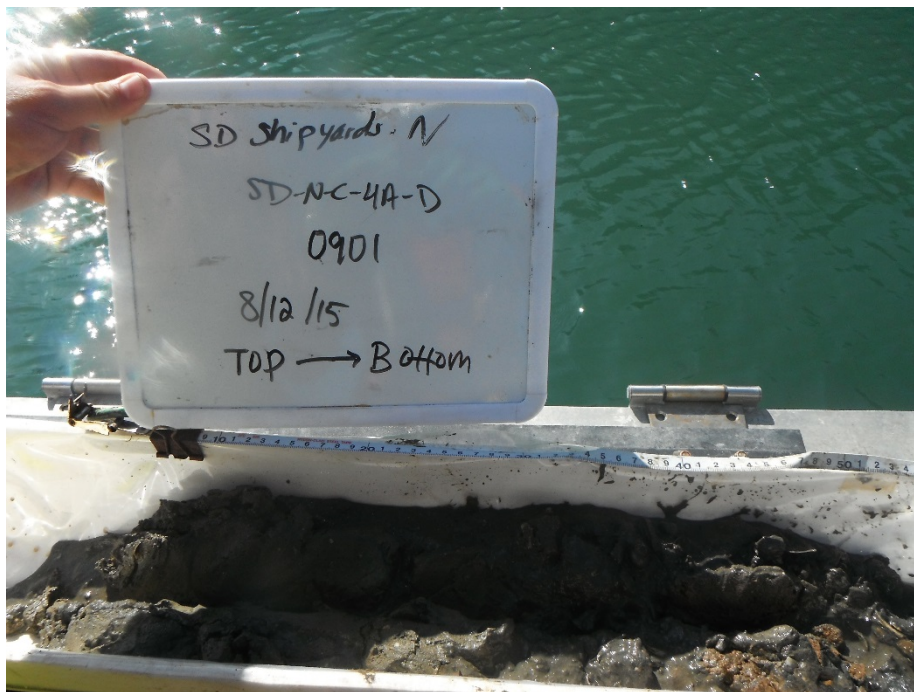
**Log of Station ID:** SD-N-C-04A-D

**Additional Notes:** Attempt 2.





Sediment Core from Station SD-N-C-04A-D (August 12, 2015)



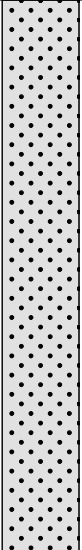
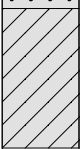
Sediment Core from Station SD-N-C-04A-D (August 12, 2015)

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Nick Kennedy  
**Sample Type:** Vibracore  
**Date:** 8/12/2015

**Latitude:** 32° 41.527'  
**Longitude:** -117° 08.773'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -30.0

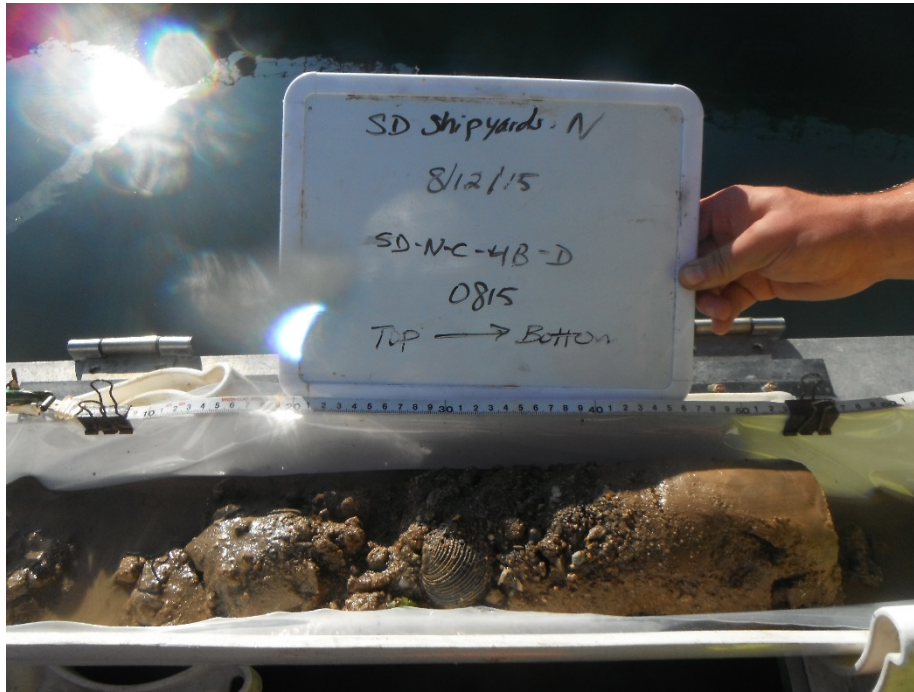
**Time:** 08:15

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-04B-D-0005	SAND: @0-22cm: Moist, very loose, fine SAND.	Brown	None	@22-40cm: Slight shells.
5						
10						
15						
20		SD-N-C-04B-D-0535	SAND: @22-40cm: Moist, loose-dense, fine silty SAND.			
25						
30						
35						
40		Discarded	CLAY: @40-50cm: Moist, very stiff, CLAY.			
45						
50			End of core @50cm.			
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 34.3      **Target Penetration (cm):** 35.0  
**Tide (ft):** 4.3      **Actual Penetration (cm):** 60.0  
**Recovery (%):** 83%      **Recovered Core Length (cm):** 50.0

**Log of Station ID:** SD-N-C-04B-D

**Additional Notes:** Attempt 1.



Sediment Core from Station SD-N-C-04B-D (August 12, 2015)



Sediment Core from Station SD-N-C-04B-D (August 12, 2015)

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## Pier 1 North (Southern Section)

**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Chris Osuch  
**Sample Type:** Vibracore  
**Date:** 5/5/2015

**Latitude:** 32° 41.546' N  
**Longitude:** 117° 08.732' W  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -23.1

**Time:** 10:36

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-01B-D-0005	SAND: @0-24cm: Medium dense, moist, f-SAND.	Gray	None	@0-24cm: Occasional biota (shells); trace rainbow sheen florets.
5						
20		SD-N-C-01B-D-0535				
25			SAND: @24-38cm: Very dense, damp, clayey f-SAND.	Brown		
35		Discarded				
40			End of core @38cm.			
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 27.3      **Target Penetration (cm):** 35.0  
**Tide (ft):** 4.2      **Actual Penetration (cm):** 50.0  
**Recovery (%):** 76%      **Recovered Core Length (cm):** 38.0

**Log of Station ID:** SD-N-C-01B-D

**Additional Notes:** Refusal @50cm.



**Sediment Core from Station SD-N-C-01B-D (May 5, 2015)**



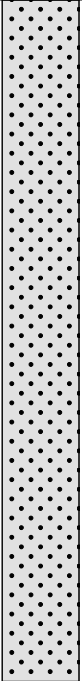
**Sediment Core Plug from Station SD-N-C-01B-D (May 5, 2015)**

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Chris Osuch  
**Sample Type:** Vibracore  
**Date:** 5/9/2015

**Latitude:** 32° 41.542' N  
**Longitude:** 117° 08.723' W  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -27.8

**Time:** 09:42

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-02-D-0005	SAND: @0-20cm: Medium dense, moist, f-SAND.			
5						@0-20cm: Trace rainbow sheen florets.
10						
15						
20		SD-N-C-02-D-0535	SAND: @20-49cm: Dense, damp, f-SAND.	Brown	None	
25						
30						
35						
40		Discarded				
45						
50			End of core @49cm.			
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 28.2      **Target Penetration (cm):** 35.0  
**Tide (ft):** 0.4      **Actual Penetration (cm):** 65.0  
**Recovery (%):** 75%      **Recovered Core Length (cm):** 49.0

**Log of Station ID:** SD-N-C-02-D

**Additional Notes:** Attempt 2. Attempt 1 - low recovery; sample discarded.



**Sediment Core from Station SD-N-C-02-D (May 9, 2015)**

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 12/2/2015      **Time:** 14:00

**Latitude:** 32° 41.523'  
**Longitude:** -117° 08.741'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -41.2

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-05A-D-0005-151202	SAND: @0-20cm: Loose, damp, f-c SAND.	Brown	None	
5						
10						
15						
20		SD-N-C-05A-D-0535-151202	SAND: @20-40cm: Dense, damp, f-c SAND, trace silt.			
25						
30						
35						
40			SAND: @40-47cm: Dense, damp, f-c SAND.			
45						
50		Discarded	SAND: @47-50cm: Dense, damp, f-c SAND, trace cobble. SAND: @50-65cm: Loose to medium dense, damp, f-c SAND.			
55						
60						
65			End of core @65cm.			
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 45.5      **Target Penetration (cm):** 35.0  
**Tide (ft):** 4.33      **Actual Penetration (cm):** 68.0  
**Recovery (%):** 95%      **Recovered Core Length (cm):** 65.0

**Log of Station ID:** SD-N-C-05A-D

**Additional Notes:** Attempt 1.



**Sediment Core from Station SD-N-C-05A-D (December 2, 2015)**

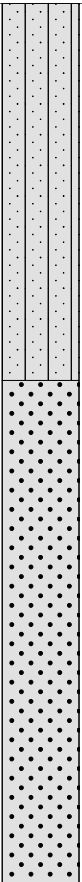


**Sediment Core from Station SD-N-C-05A-D (December 2, 2015)**

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 11/21/2015      **Time:** 09:40

**Latitude:** 32° 41.514'  
**Longitude:** -117° 08.753'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -42.1

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-05B-D-0005 -151121	SILTY SAND: @0-27cm: Loose, moist, SILTY SAND.			
5						
10		SD-N-C-05B-D-0535 -151121		Brown with intermittent dark brown	Trace odor	
15						
20			SAND: @27-63cm: Medium dense, damp, SAND, trace silt.			
25						
30		Discarded		Brown	None	
35						
40						
45						
50						
55						
60						
65			End of core @63cm.			
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 44.5      **Target Penetration (cm):** 35.0  
**Tide (ft):** 2.4      **Actual Penetration (cm):** 63.0  
**Recovery (%):** 100%      **Recovered Core Length (cm):** 63.0

**Log of Station ID:** SD-N-C-05B-D

**Additional Notes:** Attempt 1.



**Sediment Core from Station SD-N-C-05B-D (November 21, 2015)**



**Sediment Core from Station SD-N-C-05B-D (November 21, 2015)**

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## Pier 1 South (Southern Section)

**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Alex Caillat  
**Sample Type:** Vibracore  
**Date:** 12/2/2015      **Time:** 10:53

**Latitude:** 32° 41.529'  
**Longitude:** -117° 09.698'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -21.44

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0	Dotted pattern	SD-N-C-06-D-0005 -151202	SAND: @0-6cm: Loose, moist, slightly silty f-SAND.	Light gray to light brown	None	@22-35cm: Moderate shell hash.
5		SD-N-C-06-D-0535 -151202	SAND: @6-10cm: Medium dense, moist, slightly silty f-SAND. SAND: @10-20cm: Medium dense, damp, slightly silty f-SAND.			
10	Dotted pattern		SD-N-C-06-D-0535 -151202	SAND: @20-39cm: Loose, damp, f-c SAND.	Brown	None
15		Discarded		CLAYEY SAND: @39-49cm: Dense, damp, CLAYEY SAND.		
20	Dotted pattern		Discarded	SAND: @49-55cm: Loose, damp, f-c SAND.	Light gray to light brown	None
25		SAND: @55-64cm: Dense, damp, f-c SAND, trace silt.		Brown		
30	Dotted pattern	Discarded	End of core @64cm.			
35						
40	Diagonal lines	Discarded				
45						
50	Dotted pattern	Discarded				
55						
60	Dotted pattern	Discarded				
65						
70	Blank					
75						
80	Blank					
85						
90	Blank					
95						
100	Blank					

**Water Depth (ft):** 24.9      **Target Penetration (cm):** 35.0  
**Tide (ft):** 3.46      **Actual Penetration (cm):** 68.0  
**Recovery (%):** 94%      **Recovered Core Length (cm):** 64.0

**Log of Station ID:** SD-N-C-06-D

**Additional Notes:** Attempt 1.



**Sediment Core from Station SD-N-C-06-D (December 2, 2015)**



**Sediment Core from Station SD-N-C-06-D (December 2, 2015)**

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 12/12/2015

**Latitude:** 32° 41.518'  
**Longitude:** -117° 08.707'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -20.7

**Time:** 09:55

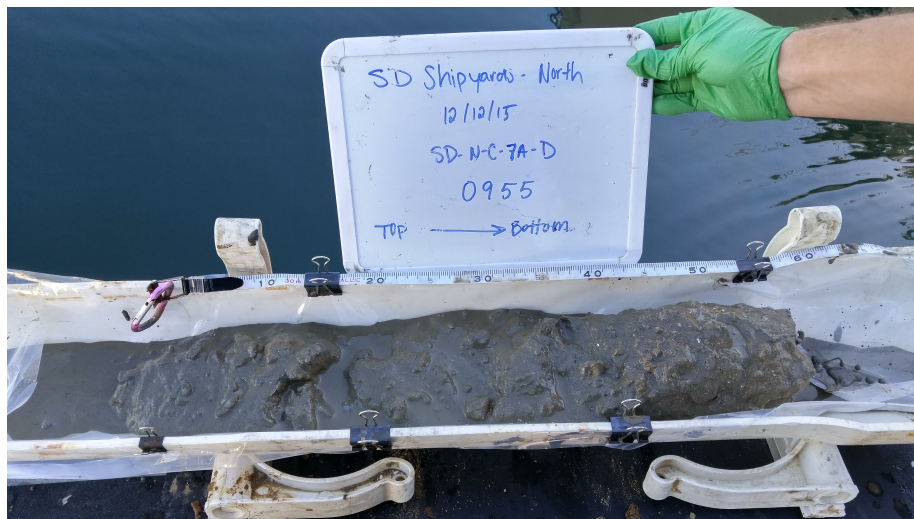
Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-07A-D-0005 -151212	SAND: @0-30cm: Loose, moist, slightly silty SAND.	Brown	None	@0-20cm: Trace sheen.
5						
10						
15		SD-N-C-07A-D-0535 -151212				
20						
25						
30			SAND: @30-40cm: Medium dense, moist, slightly silty SAND.			
35						
40						
45	Discarded		SAND: @40-58cm: Medium dense, damp, slightly silty SAND, trace f-c SAND.			
50						
55						
60			End of core @58cm.			
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 28.1      **Target Penetration (cm):** 35.0  
**Tide (ft):** 6.4      **Actual Penetration (cm):** 62.0  
**Recovery (%):** 94%      **Recovered Core Length (cm):** 58.0

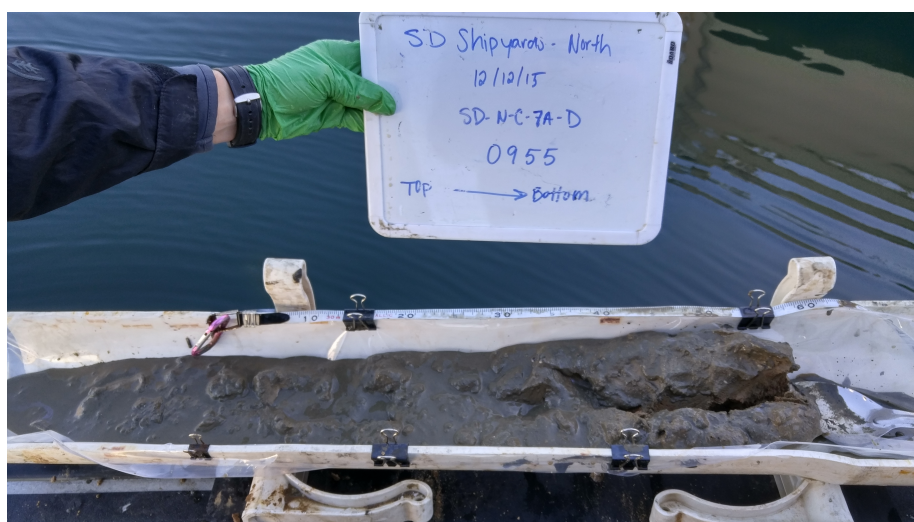
**Log of Station ID:** SD-N-C-07A-D

**Additional Notes:** Attempt 1.





**Sediment Core from Station SD-N-C-07A-D (December 12, 2015)**



**Sediment Core from Station SD-N-C-07A-D (December 12, 2015)**

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Nick Kennedy  
**Sample Type:** Vibracore  
**Date:** 12/18/2015

**Latitude:** 32° 41.507'  
**Longitude:** -117° 08.722'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -29.9

**Time:** 08:58

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-07B-D-0005 -151212	SAND: @0-40cm: Medium dense, moist, f-m SAND, trace silt.	Brown		
5						
20		SD-N-C-07B-D-0535 -151212				
40		Discarded	SAND: @40-47.5cm: Dense, moist, f-m SAND, trace silt.			
50			End of core @50cm.			
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

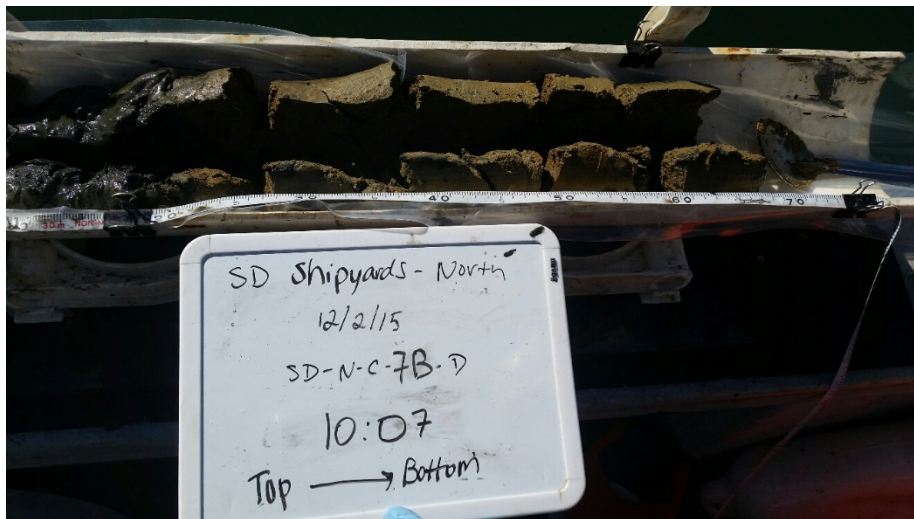
**Water Depth (ft):** 32.0      **Target Penetration (cm):** 35.0  
**Tide (ft):** 2.1      **Actual Penetration (cm):** 50.0  
**Recovery (%):** 95%      **Recovered Core Length (cm):** 47.5

**Log of Station ID:** SD-N-C-07B-D

**Additional Notes:** Attempt 1.



**Sediment Core from Station SD-N-C-07B-D (December 2, 2015)**



**Sediment Core from Station SD-N-C-07B-D (December 2, 2015)**

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 12/12/2015

**Latitude:** 32° 41.488'  
**Longitude:** -117° 08.734'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -42.2

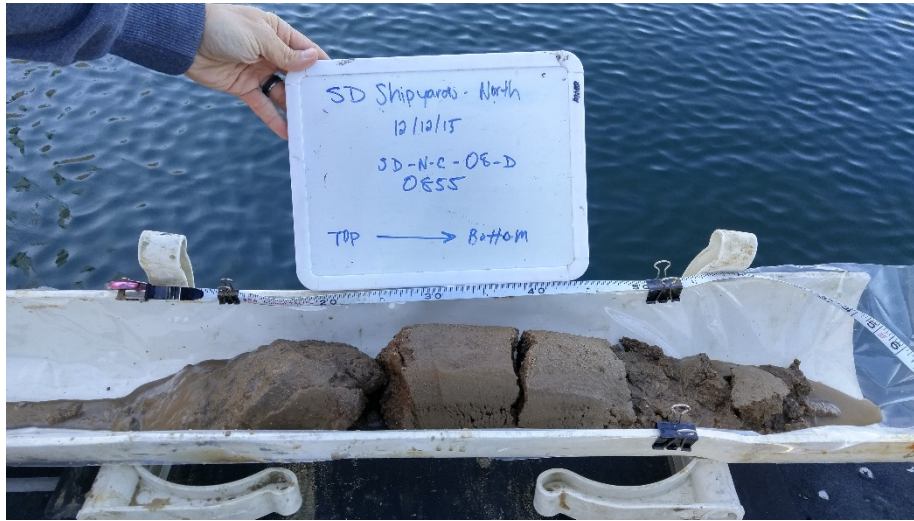
**Time:** 08:55

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-08-D-0005	SILT: @0-10cm: Loose to medium stiff, moist, SILT.			
5						
10			SAND: @10-20cm: Loose to medium dense, moist, f-c SAND.			
15		SD-N-C-08-D-0535	@20-45cm: Dense, damp, f-c SAND.			
20						
25						
30				Brown	None	
35						
40						
45		Discarded	@45-62cm: Loose to medium dense, moist, f-c SAND.			
50						
55						
60						
65			End of core @62cm.			
70						
75						
80						
85						
90						
95						
100						

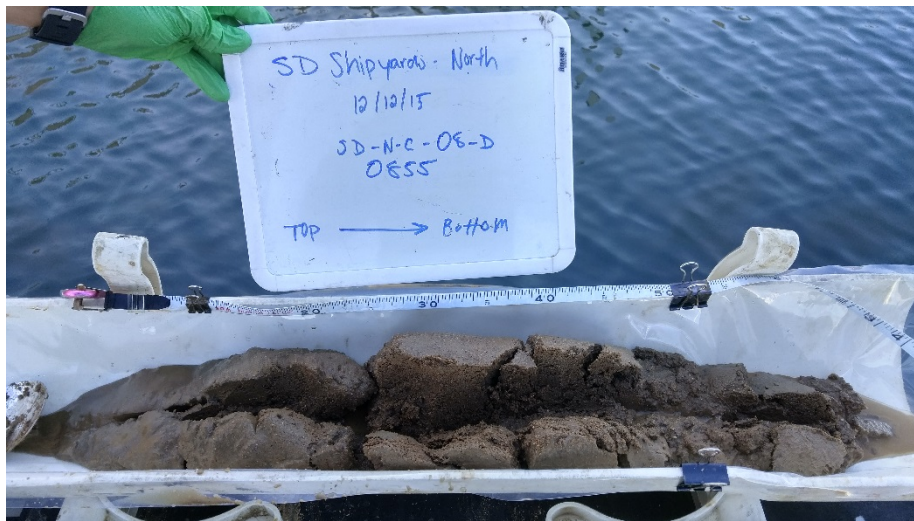
**Water Depth (ft):** 49.5      **Target Penetration (cm):** 35.0  
**Tide (ft):** 6.7      **Actual Penetration (cm):** 62.0  
**Recovery (%):** 100%      **Recovered Core Length (cm):** 62.0

**Log of Station ID:** SD-N-C-08-D

**Additional Notes:** Attempt 1.



**Sediment Core from Station SD-N-C-08-D (December 12, 2015)**



**Sediment Core from Station SD-N-C-08-D (December 12, 2015)**

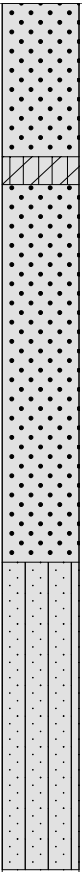
---

## POSD Dry Dock Berthing Area

**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Alex Caillat  
**Sample Type:** Vibracore  
**Date:** 12/2/2015

**Latitude:** 32° 41.485'  
**Longitude:** -117° 08.749'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -38.4

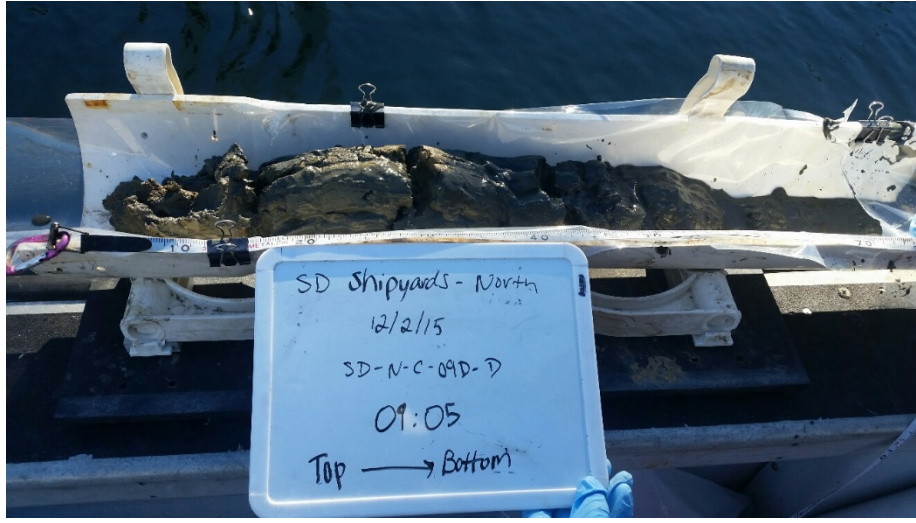
**Time:** 09:05

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-09-D-0005 -151202	SAND: @0-11cm: Soft, moist, slightly silty SAND, trace clay.	Brown with intermittent dark brown	None	
5			SILTY CLAY: @11-13cm: Soft, moist, SILTY CLAY.			
10		SD-N-C-09-D-0535 -151202	SAND: @13-40cm: Dense, moist, slightly silty SAND, trace clay.	Dark brown	None	
15			SILTY SAND: @40-62cm: Loose, moist, SILTY SAND.			
20		Discarded				
25						
30						
35						
40						
45						
50						
55						
60						
65			@62.1cm: End of core @62cm.			
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 41.3      **Target Penetration (cm):** 35.0  
**Tide (ft):** 2.9      **Actual Penetration (cm):** 68.0  
**Recovery (%):** 90%      **Recovered Core Length (cm):** 61.0

**Log of Station ID:** SD-N-C-09-D

**Additional Notes:** Attempt 1.



**Sediment Core from Station SD-N-C-09-D (December 2, 2015)**

---



**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 6/3/2015

**Latitude:** 32° 41.515'N  
**Longitude:** 117° 08.675'W  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -32.0

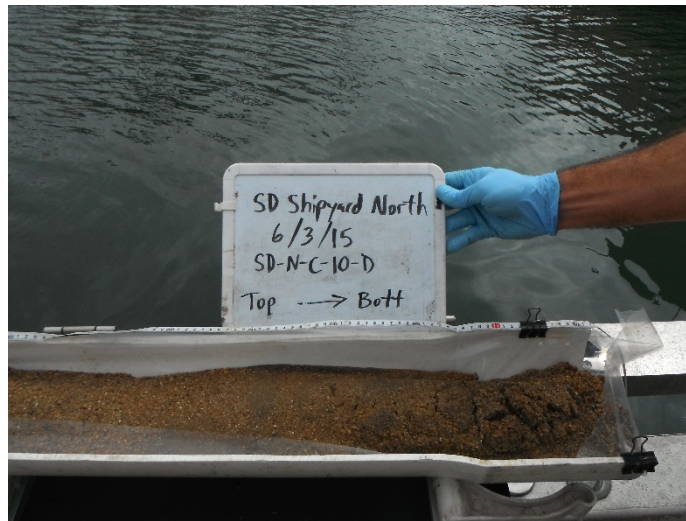
**Time:** 09:42

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-10-D-0005	SAND: @0-26cm: Loose, moist, f-c SAND.	Brown	None	
5						
10						
15						
20		SD-N-C-10-D-0535	SAND: @26-103cm: Loose, m-c SAND.	Light brown		
25						
30						
35						
40						
45						
50						
55						
60						
65						
70		Discarded				
75						
80						
85						
90						
95						
100			End of core @103cm.			

**Water Depth (ft):** 35.3      **Target Penetration (cm):** 35.0  
**Tide (ft):** 3.3      **Actual Penetration (cm):** 128.0  
**Recovery (%):** 80%      **Recovered Core Length (cm):** 103.0

**Log of Station ID:** SD-N-C-10-D

**Additional Notes:** Attempt 3.



**Sediment Core from Station SD-N-C-10-D (June 3, 2015)**



**Sediment Core Plug from Station SD-N-C-10-D (June 3, 2015)**

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Chris Osuch  
**Sample Type:** Vibracore  
**Date:** 6/26/2015

**Latitude:** 32° 41.493'N  
**Longitude:** 117° 08.704'W  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -48.3

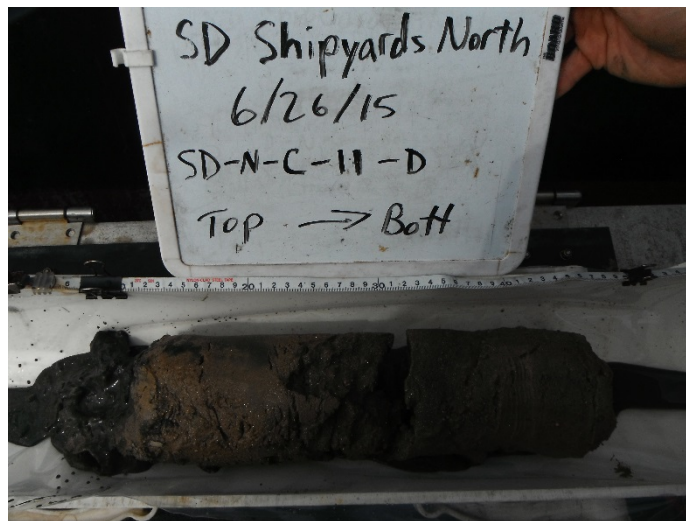
**Time:** 09:00

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-11-D-0005 -150626	SILT: @0-10cm: Soft, moist, slightly sandy SILT.	Dark gray	None	
5		SD-N-C-11-D-0535 -150626	SAND: @10-38cm: Dense, damp, f-SAND.	Brown		
10			SAND: @38-47cm: Very dense, clayey f-m SAND.	Light brown		
15		Discarded				
20			End of core @47cm.			
25						
30						
35						
40						
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 51.0      **Target Penetration (cm):** 35.0  
**Tide (ft):** 2.7      **Actual Penetration (cm):** 60.0  
**Recovery (%):** 78%      **Recovered Core Length (cm):** 47.0

**Log of Station ID:** SD-N-C-11-D

**Additional Notes:** Attempt 1.



Sediment Core from Station SD-N-C-11-D (June 26, 2015)



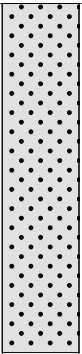
Sediment Core from Station SD-N-C-11-D (June 26, 2015)

---

**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 6/19/2015

**Latitude:** 32° 41.485'N  
**Longitude:** 117° 08.711'W  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -47.8

**Time:** 10:37

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-12-D-0005	SAND: @0-25cm: Very dense, damp, clayey vf SAND.	Reddish brown	None	
5						
10						
15		SD-N-C-12-D-0525				
20						
25			End of core @25cm.			
30						
35						
40						
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

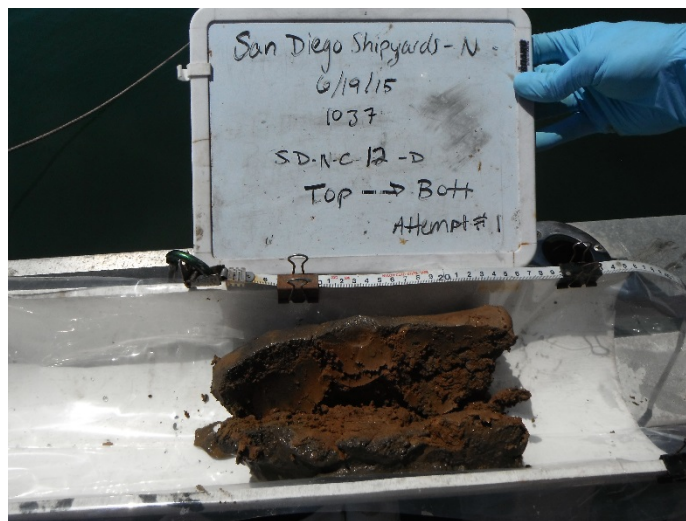
**Water Depth (ft):** 50.9      **Target Penetration (cm):** 35.0  
**Tide (ft):** 3.1      **Actual Penetration (cm):** 70.0  
**Recovery (%):** 35%      **Recovered Core Length (cm):** 25.0

**Log of Station ID:** SD-N-C-12-D

**Additional Notes:** Attempt 1. Low recovery. Very dense material formed plug at 25cm preventing collection of additional material. After three attempts, attempt 1 (logest core) was retained for analysis. Although recovery was low, there was sufficient volume available for analysis. All three attempts were consistent with each other



**Sediment Core from Station SD-N-C-12-D (June 19, 2015)**



**Sediment Core from Station SD-N-C-12-D (June 19, 2015)**

---

**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Chris Osuch  
**Sample Type:** Vibracore  
**Date:** 6/26/2015

**Latitude:** 32° 41.495'N  
**Longitude:** 117° 08.684'W  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -71.0

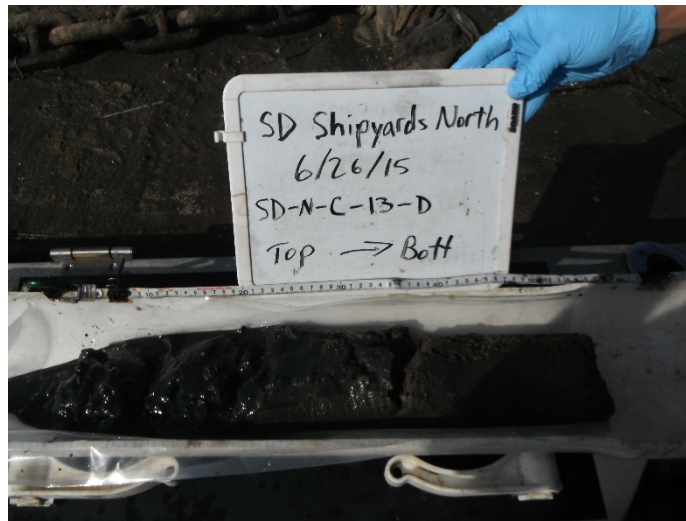
**Time:** 08:12

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-13-D-0005 -150626	SILT: @0-30cm: Soft, moist, SILT, trace f-sand.	Dark gray	None	@0-30cm: Occasional shells.
5		SD-N-C-13-D-0535 -150626	SILT: @30-35cm: Soft, moist, f-m sandy SILT.			
10				Discarded	Brown	
15		SAND: @35-56cm: Very dense, damp, f-m SAND.				
20	End of core @56cm.					
25						
30						
35						
40						
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 74.0      **Target Penetration (cm):** 35.0  
**Tide (ft):** 3.0      **Actual Penetration (cm):** 60.0  
**Recovery (%):** 93%      **Recovered Core Length (cm):** 56.0

**Log of Station ID:** SD-N-C-13-D

**Additional Notes:** Attempt 1.



**Sediment Core from Station SD-N-C-13-D (June 26, 2015)**



**Sediment Core from Station SD-N-C-13-D (June 26, 2015)**

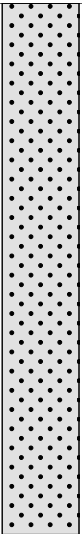
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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 6/23/2015

**Latitude:** 32° 41.488'N  
**Longitude:** 117° 08.666'W  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -70.3

**Time:** 15:23

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-13A-D-0005 -150623	SAND: @0-11cm: Loose, moist, f- SAND, trace silt.	Dark brown	None	@0-11cm: Trace shells.
5		SD-N-C-13A-D-0535 -150623	SAND: @11-38cm: Very dense, damp, vf SAND.	Brown		
10			Discarded			
15		End of core @38cm.				
20						
25						
30						
35						
40						
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 74.9      **Target Penetration (cm):** 35.0  
**Tide (ft):** 4.6      **Actual Penetration (cm):** 60.0  
**Recovery (%):** 63%      **Recovered Core Length (cm):** 38.0

**Log of Station ID:** SD-N-C-13A-D

**Additional Notes:** Attempt 3. Recovery <75% after three attempts. Attempt 3 retained for analysis in accordance with the SAP. For all three attempts material was consistent.



**Sediment Core from Station SD-N-C-13A-D (June 23, 2015)**



**Sediment Core from Station SD-N-C-13A-D (June 23, 2015)**

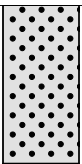
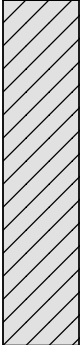
---

# Pier 3 North

---

Project: San Diego Shipyard North  
 Project Manager: David Templeton  
 Logged and Sampled By: Chris Osuch  
 Sample Type: Vibracore  
 Date: 3/6/2015 Time: 09:52

Latitude: 32° 41.469'  
 Longitude: 117° 08.661'  
 Project Depth (ft MLLW): Not Applicable  
 Mudline Elevation (ft MLLW): -59.0

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-14-D-0005	SAND: @0-6cm: Loose, moist, silty vf-SAND.	Dark greenish gray	None	@11cm: Hard native material.
5		SD-N-C-14A-D-0535	SAND: @6-11cm: Medium dense, damp, slightly silty f-c SAND.	Brown		
10			CLAY: @11-35cm: Very stiff/hard, damp, vf-sandy CLAY.			
15						
20						
25						
30						
35			End of core @35cm.			
40						
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

Water Depth (ft): 64.5 Target Penetration (cm): 35.0  
 Tide (ft): 5.5 Actual Penetration (cm): 46.0  
 Recovery (%): 76% Recovered Core Length (cm): 35.0

Log of Station ID: SD-N-C-14-D

Additional Notes: Refusal @46cm.



**Sediment Core from Station SD-N-C-14-D (March 6, 2015)**



**Sediment Core Plug from Station SD-N-C-14-D (March 6, 2015)**

---

Project: San Diego Shipyard North  
 Project Manager: David Templeton  
 Logged and Sampled By: Chris Osuch  
 Sample Type: Vibracore  
 Date: 3/6/2015 Time: 12:22

Latitude: 32° 41.481'  
 Longitude: 117° 08.660'  
 Project Depth (ft MLLW): Not Applicable  
 Mudline Elevation (ft MLLW): -66.7

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-14A-D-0005	SAND: @0-6cm: Loose, moist, silty f-SAND.	Dark greenish gray	None	@10cm: Trace metallic sheen.  @31cm: Hard native material.
5		SD-N-C-14A-D-0535	SAND: @6-21cm: Medium dense, slightly silty f-SAND.	Grades from grayish brown to brown		
10			SAND: @21-31cm: Medium dense, slightly silty f-c SAND.			
15		No Sample	CLAY: @31-64cm: Very stiff/hard, damp, vf-sandy CLAY.	End of core @64cm.		
20						
25						
30						
35						
40						
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

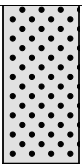
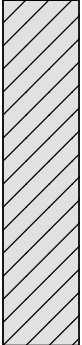

Water Depth (ft): 70.1 Target Penetration (cm): 35.0  
 Tide (ft): 3.4 Actual Penetration (cm): 80.0  
 Recovery (%): 80% Recovered Core Length (cm): 64.0

Log of Station ID: SD-N-C-14A-D

Additional Notes: Refusal @80cm.

Project: San Diego Shipyard North  
 Project Manager: David Templeton  
 Logged and Sampled By: Chris Osuch  
 Sample Type: Vibracore  
 Date: 3/6/2015 Time: 09:52

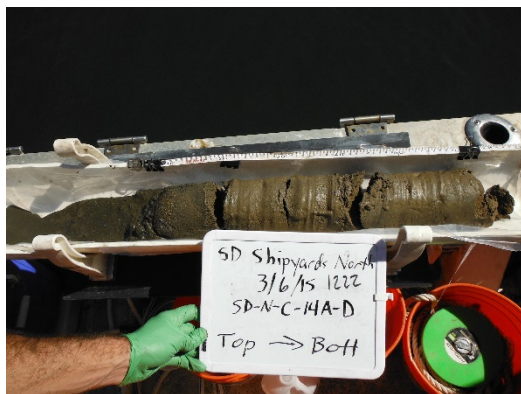
Latitude: 32° 41.469'  
 Longitude: 117° 08.661'  
 Project Depth (ft MLLW): Not Applicable  
 Mudline Elevation (ft MLLW): -59.0

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-14-D-0005	SAND: @0-6cm: Loose, moist, silty vf-SAND.	Dark greenish gray	None	@11cm: Hard native material.
5		SD-N-C-14A-D-0535	SAND: @6-11cm: Medium dense, damp, slightly silty f-c SAND.	Brown		
10			CLAY: @11-35cm: Very stiff/hard, damp, vf-sandy CLAY.			
15		SD-N-C-14A-D-0535	End of core @35cm.			
20						
25						
30						
35						
40						
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

Water Depth (ft): 64.5 Target Penetration (cm): 35.0  
 Tide (ft): 5.5 Actual Penetration (cm): 46.0  
 Recovery (%): 76% Recovered Core Length (cm): 35.0

Log of Station ID: SD-N-C-14-D

Additional Notes: Refusal @46cm.



**Sediment Core from Station SD-N-C-14A-D (March 3, 2015)**



**Sediment Core from Station SD-N-C-14A-D (March 3, 2015)**

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# Pier 3 South

---

**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 10/30/2015      **Time:** 13:45

**Latitude:** 34° 41.491'  
**Longitude:** -117° 08.607'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -17.7

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks	
0		SD-N-C-15-D-0005-151030	SAND: @0-40cm: Loose, wet, vf-f SAND, intermittent pockets of silt.				
5							
10							
15					Dark gray	Moderate creosote-like odor.	
20		SD-N-C-15-D-0535-151030					
25							
30							
35							@0-68cm: Trace shell hash.
40				SAND: @40-47cm: Loose, wet, vf SAND.	Grayish brown		
45							
50	Discarded		SAND: @47-52cm: Loose, wet, vf-m SAND.	Yellowish brown	None		
55			SAND: @52-68cm: Loose, wet, vf SAND.				
60				Grayish brown			
65							
70			End of core @68cm.				
75							
80							
85							
90							
95							
100							

**Water Depth (ft):** 23.0      **Target Penetration (cm):** 35.0  
**Tide (ft):** 5.3      **Actual Penetration (cm):** 80.0  
**Recovery (%):** 85%      **Recovered Core Length (cm):** 68.0

**Log of Station ID:** SD-N-C-15-D

**Additional Notes:** Attempt 1.



**Sediment Core from Station SD-N-C-15-D (October 30, 2015)**

**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 11/11/2015      **Time:** 10:38

**Latitude:** 32° 41.472'  
**Longitude:** -117° 08.613'  
**Project Depth (ft MLLW):** NA  
**Mudline Elevation (ft MLLW):** -40.2

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-17-D-0005-151111	SAND WITH SILT: @0-12cm: Loose, moist, dark brown with gray streaks, fine SAND WITH SILT (intermittent silt).	Dark brown with gray streaks	None	
5						
10						
15		SD-N-C-17-D-0535-151111	SAND: @12-37cm: Medium dense, moist, brown, vf-f SAND.			
20						
25						
30						
35						
40			CLAY: @37-65cm: Very dense, damp, brown, CLAY, trace sand.	Brown		
45						
50		None				
55						
60						
65			End of core @65cm.			
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 45.7      **Target Penetration (cm):** 35.0  
**Tide (ft):** 5.0      **Actual Penetration (cm):** 80.0  
**Recovery (%):** 81%      **Recovered Core Length (cm):** 65.0

**Log of Station ID:** SD-N-C-17-D

**Additional Notes:** Attempt 1.



**Sediment Core from Station SD-N-C-17-D (November 11, 2015)**

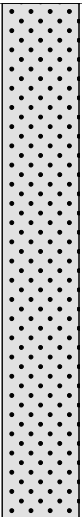


**Sediment Core from Station SD-N-C-17-D (November 11, 2015)**

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 11/11/2015      **Time:** 11:20

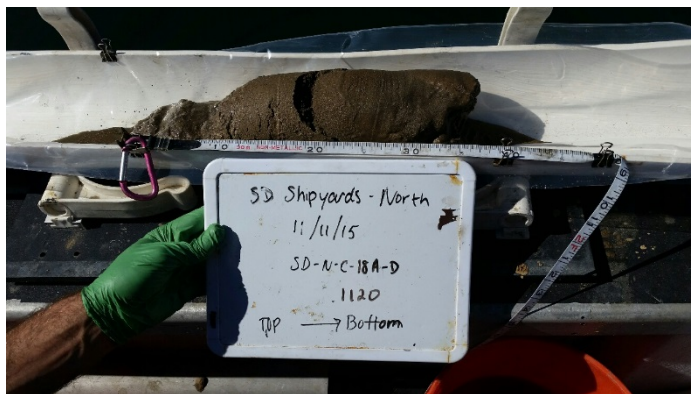
**Latitude:** 32° 41.468'  
**Longitude:** -117° 08.619'  
**Project Depth (ft MLLW):** NA  
**Mudline Elevation (ft MLLW):** -39.3

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-18A-D-0005-151111	SAND: @0-5cm: Medium dense, moist, brown, fine SAND.	Brown	None	
5			SAND: @5-37cm: Very dense, damp, brown, fine SAND.			
10		SD-N-C-18A-D-0535-151111				
15						
20						
25						
30						
35		None				
40			End of core @37cm.			
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

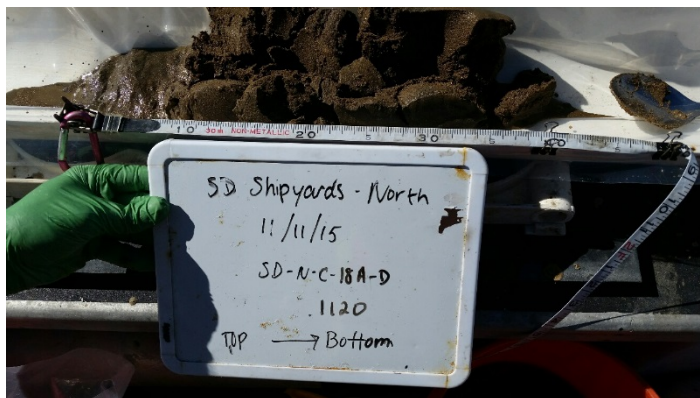
**Water Depth (ft):** 43.1      **Target Penetration (cm):** 35.0  
**Tide (ft):** 3.8      **Actual Penetration (cm):** 50.0  
**Recovery (%):** 74%      **Recovered Core Length (cm):** 37.0

**Log of Station ID:** SD-N-C-18A-D

**Additional Notes:** Attempt 2. Refusal hit at 50cm.



**Sediment Core from Station SD-N-C-18A-D (November 11, 2015)**



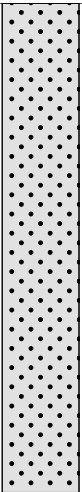
**Sediment Core from Station SD-N-C-18A-D (November 11, 2015)**

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 11/11/2015

**Latitude:** 32° 41.457'  
**Longitude:** -117° 08.628'  
**Project Depth (ft MLLW):** NA  
**Mudline Elevation (ft MLLW):** -40.4

**Time:** 09:43

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-18B-D-0005-151111	SAND: @0-6cm: Loose, moist, brown, slightly silty f-SAND.	Brown	None	
5			SAND: @6-14cm: Dense, moist, brown, clayey f-m SAND.			
10			SAND: @14-35cm: Very dense, damp, brown, clayey f-m SAND.			
15		SD-N-C-18B-D-0535-151111				
20						
25						
30						
35			End of core @35cm.			
40						
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 46.2      **Target Penetration (cm):** 35.0  
**Tide (ft):** 5.8      **Actual Penetration (cm):** 35.0  
**Recovery (%):** 100%      **Recovered Core Length (cm):** 35.0

**Log of Station ID:** SD-N-C-18B-D

**Additional Notes:** Attempt 2.





**Sediment Core from Station SD-N-C-18B-D (November 11, 2015)**



**Sediment Core from Station SD-N-C-18B-D (November 11, 2015)**

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Nick Kennedy  
**Sample Type:** Vibracore  
**Date:** 11/25/2015

**Latitude:** 34° 41.442'  
**Longitude:** -117° 08.636'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -43.5

**Time:** 13:10

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-20-D-0005-151125	SAND: @0-10cm: Loose, moist, silty SAND.	Brown with slight dark brown	None	
5						
10			SAND: @10-30cm: Hard, damp, SAND, trace cobble.	Brown		
15		SD-N-C-20-D-0535-151125				
20						
25						
30			SAND: @30-40cm: Loose, moist, silty SAND.	Brown with slight dark brown		
35		Discarded				
40			End of core @40cm.			
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 44.5      **Target Penetration (cm):** 35.0  
**Tide (ft):** 1.25      **Actual Penetration (cm):** 40.0  
**Recovery (%):** 88%      **Recovered Core Length (cm):** 35.0

**Log of Station ID:** SD-N-C-20-D

**Additional Notes:** Attempt 3.



Sediment Core from Station SD-N-C-20-D (November 25, 2015)



Sediment Core from Station SD-N-C-20-D (November 25, 2015)

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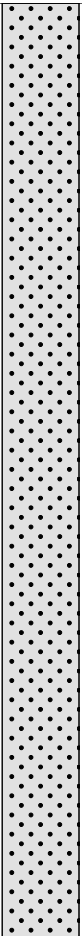
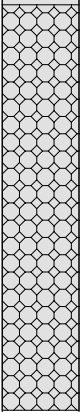
# Pier 4 North

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 5/18/2015

**Latitude:** 32° 41.477'  
**Longitude:** -117° 08.587'  
**Project Depth (ft MLLW):** N/A  
**Mudline Elevation (ft MLLW):** -17.6

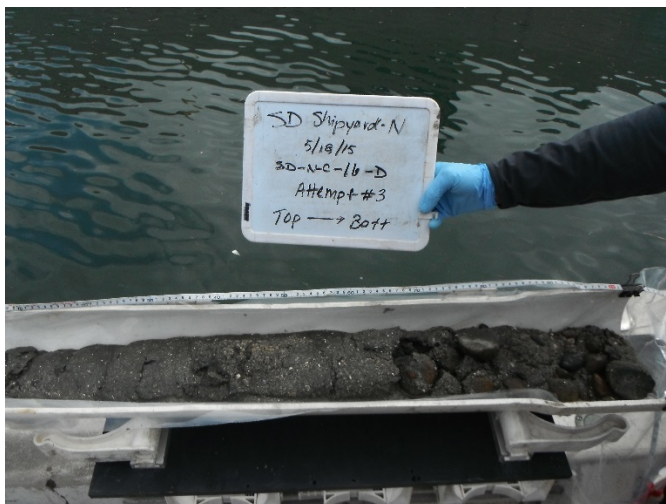
**Time:** 09:58

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-16-D-0005	SAND: @0-35cm: Loose, moist, f-m SAND, slight fine gravel.			
5						
10						
15						
20		SD-N-C-16-D-0535				
25						
30						
35			SAND: @35-67cm: Loose, moist, m-c SAND, slight fine gravel.			
40						
45						
50				Dark brown	None	@0-96cm: Slight little shells.
55						
60						
65		Discarded				
70			GRAVEL: @67-96cm: Moist, f-c GRAVEL.			
75						
80						
85						
90						
95						
100			End of core @96cm.			

**Water Depth (ft):** 21.6      **Target Penetration (cm):** 35.0  
**Tide (ft):** 4.0      **Actual Penetration (cm):** 122.0  
**Recovery (%):** 79%      **Recovered Core Length (cm):** 96.0

**Log of Station ID:** SD-N-C-16-D

**Additional Notes:** Attempt 3. Attempt 1 - sample washed out. Attempt 2 - low recovery; sample discarded.



**Sediment Core from Station SD-N-C-16-D (May 18, 2015)**



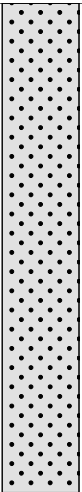
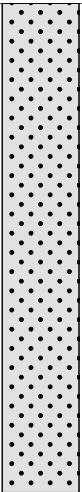
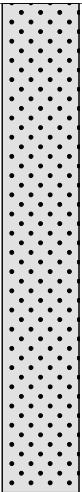
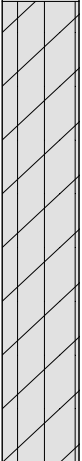
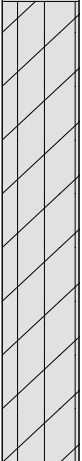
**Sediment Core Plug from Station SD-N-C-16-D (May 18, 2015)**

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Chris Osuch  
**Sample Type:** Vibracore  
**Date:** 5/18/2015

**Latitude:** -32° 41.455'  
**Longitude:** -117° 08.600'  
**Project Depth (ft MLLW):** N/A  
**Mudline Elevation (ft MLLW):** -14.9

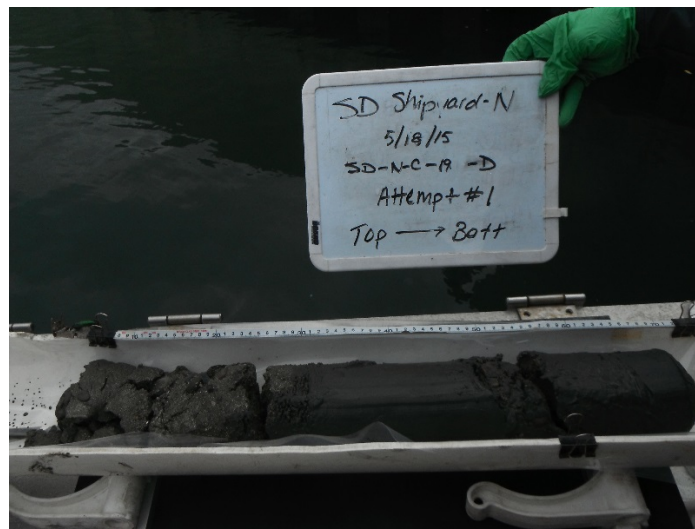
**Time:** 08:35

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-19-D-0005	SAND: @0-35cm: Dense, moist, m-c SAND, trace fine gravel (river stones).			
5						
10						
15				Dark brown	Trace petroleum-like odor	
20		SD-N-C-19-D-0535				
25						
30						
35						
40			CLAY/SILT: @35-68cm: Soft, moist, CLAY/SILT.			
45						
50		Discarded	@50-56cm: Pocket of 100% c-gravel.	Gray	None	@35-68cm: Trace sheen.
55						
60						
65						
70			End of core @68cm.			
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 17.9      **Target Penetration (cm):** 35.0  
**Tide (ft):** 3.0      **Actual Penetration (cm):** 70.0  
**Recovery (%):** 97%      **Recovered Core Length (cm):** 68.0

**Log of Station ID:** SD-N-C-19-D

**Additional Notes:** Attempt 1.



**Sediment Core from Station SD-N-C-19-D (May 19, 2015)**



**Sediment Core from Station SD-N-C-19-D (May 19, 2015)**

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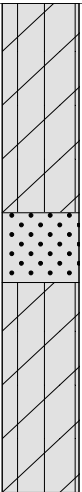
Pier 4 South

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 12/7/2015

**Latitude:** 32° 41.403'  
**Longitude:** -117° 08.585'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -33.0

**Time:** 11:25

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-21-D-0005-151207	CLAYEY SILT: @0-15cm: Stiff, damp, CLAYEY SILT.	Brown	None	
5		SD-N-C-21-D-0535-151207	SAND: @15-20cm: Loose, damp, fine to coarse SAND.			
15			CLAYEY SILT: @15-35cm: Stiff, damp, CLAYEY SILT.	Dark brown	None	
20			End of core @35cm.			
25						
30						
35						
40						
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 34.9      **Target Penetration (cm):** 35.0  
**Tide (ft):** 1.9      **Actual Penetration (cm):** 62.0  
**Recovery (%):** 56%      **Recovered Core Length (cm):** 35.0

**Log of Station ID:** SD-N-C-21-D

**Additional Notes:** Attempt 4.



**Sediment Core from Station SD-N-C-21-D (December 7, 2015)**



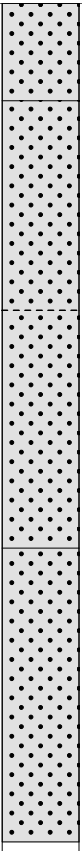
**Sediment Core from Station SD-N-C-21-D (December 7, 2015)**

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 7/21/2015

**Latitude:** 32° 41.409'N  
**Longitude:** 117° 08.604'W  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -45.2

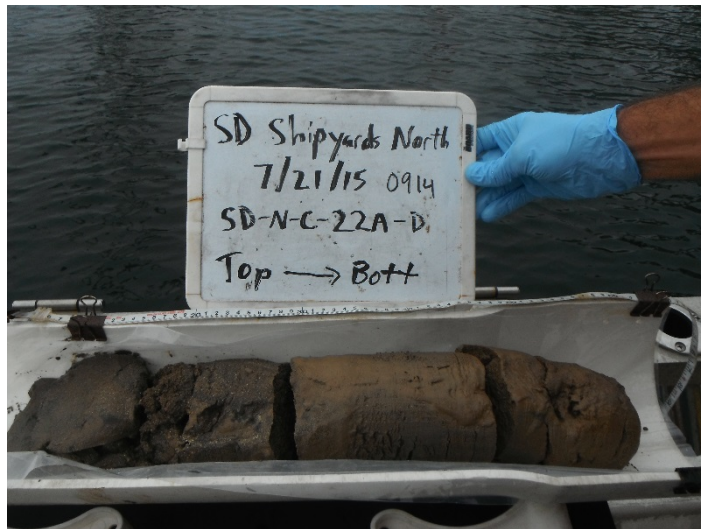
**Time:** 09:14

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-22A-D - 0005-150721	SAND: @0-7cm: Loose, moist, slightly silty SAND.	Brown	None	
5			@7cm: 1cm band black SILT.			
10			SAND: @7-22cm: Medium dense, moist, fine SAND.			
15						
20		SD-N-C-22A-D - 0535-150721				
25			SAND: @22-39cm: Dense, damp, fine SAND.			
30						
35						
40			SAND: @39-60cm: Very dense, damp, clayey vf-f SAND.			
45		Discarded				
50						
55						
60			End of core @60cm.			
65						
70						
75						
80						
85						
90						
95						
100						

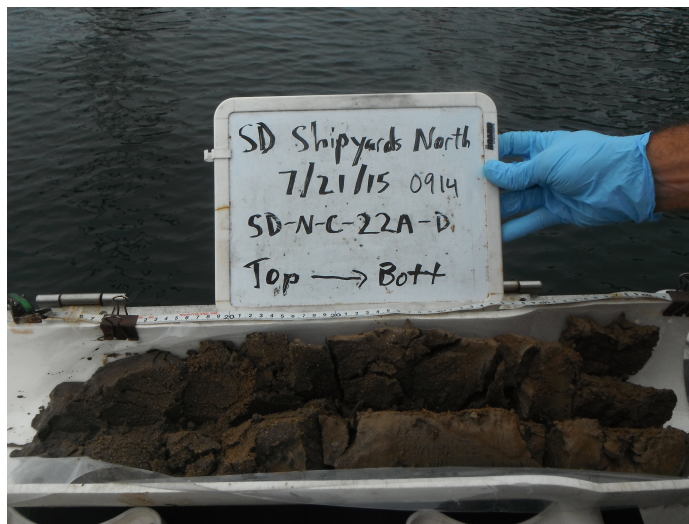
**Water Depth (ft):** 46.8      **Target Penetration (cm):** 35.0  
**Tide (ft):** 1.6      **Actual Penetration (cm):** 70.0  
**Recovery (%):** 86%      **Recovered Core Length (cm):** 60.0

**Log of Station ID:** SD-N-C-22A-D

**Additional Notes:** Attempt 1.



Sediment Core from Station SD-N-C-22A-D (July 21, 2015)



Sediment Core from Station SD-N-C-22A-D (July 21, 2015)

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Chris Osuch  
**Sample Type:** Vibracore  
**Date:** 7/24/2015

**Latitude:** 32° 41.389'N  
**Longitude:** 117° 08.613'W  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -40.3

**Time:** 09:08

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-22B-D - 0005-150724	SAND: @0-25cm: Loose, moist, f-SAND.	Brown	None	@32cm: 3x4cm cobble.
5		SD-N-C-22B-D - 0535-150724	SAND: @25-35cm: Loose, moist, f-m SAND.			
25				SAND: @35-55cm: Very dense, damp, clayey f-m SAND.		
35		Discarded	Reddish brown			
55		End of core @55cm.				
60						
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 42.4      **Target Penetration (cm):** 35.0  
**Tide (ft):** 2.1      **Actual Penetration (cm):** 60.0  
**Recovery (%):** 92%      **Recovered Core Length (cm):** 55.0

**Log of Station ID:** SD-N-C-22B-D

**Additional Notes:** Attempt 3.



Sediment Core from Station SD-N-C-22B-D (July 24, 2015)



Sediment Core from Station SD-N-C-22B-D (July 24, 2015)

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**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Claire Dolphin  
**Sample Type:** Vibracore  
**Date:** 10/30/2015      **Time:** 12:20

**Latitude:** 32° 41.381'  
**Longitude:** -117° 08.598'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -31.9

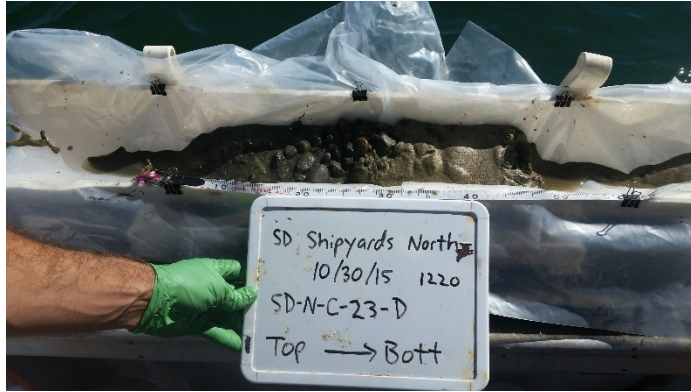
Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-NC-23-D-0005	@0-15cm: Medium dense, moist, fine SAND, trace silt.	Gray	None	@0-5cm: Trace sheen.
5						
10		SD-NC-23-D-0535	@15-25cm: Medium dense, moist, fine SAND, trace silt, substantial cobble.			
15						
20			@25-30cm: Medium dense, moist, fine SAND, substantial cobble.			
25			@30-50cm: Medium dense, moist, fine SAND, occasional cobble.			
30				Light Brown		
35		Discarded				
40						
45						
50			End of core @50cm.			
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

**Water Depth (ft):** 38.5      **Target Penetration (cm):** 35.0  
**Tide (ft):** 6.6      **Actual Penetration (cm):** 65.0  
**Recovery (%):** 77%      **Recovered Core Length (cm):** 50.0

**Log of Station ID:** SD-N-C-23-D

Additional Notes:





**Sediment Core from Station SD-N-C-23-D (October 30, 2015)**

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## Scow 3002 Misplaced Material Area

**Project:** San Diego Shipyard North  
**Project Manager:** David Templeton  
**Logged and Sampled By:** Nick Kennedy  
**Sample Type:** Vibracore  
**Date:** 9/24/2015

**Latitude:** 32° 41.430'  
**Longitude:** -117° 08.683'  
**Project Depth (ft MLLW):** Not Applicable  
**Mudline Elevation (ft MLLW):** -55.9

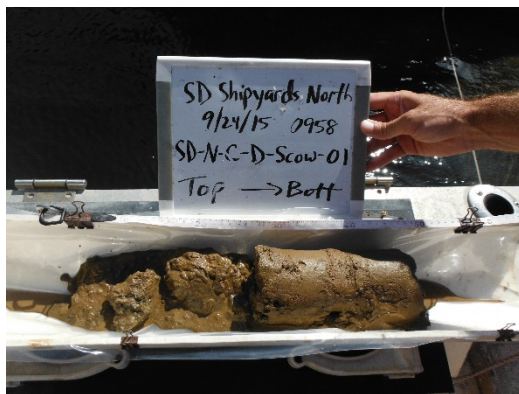
**Time:** 09:58

Depth (CM)	Lithology	Sample Interval	Sediment Description	Color	Odor	Remarks
0		SD-N-C-D-Scow -01 0005	SILTY SAND: @0-15cm: Loose, moist, f-m SILTY SAND.	Brown	None	
5		SD-N-C-D-Scow -01 0535	SILTY SAND: @15-26cm: Medium dense, moist, f-m SILTY SAND.			
20			SAND: @26-48cm: Very dense, damp, f-c SAND.			
25		Discarded				
30			End of core @48cm.			
35						
40						
45						
50						
55						
60						
65						
70						
75						
80						
85						
90						
95						
100						

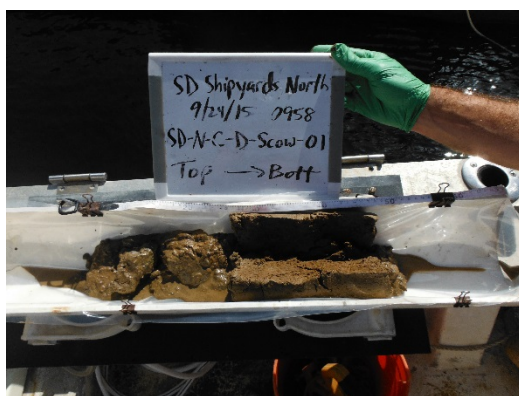
**Water Depth (ft):** 59.8      **Target Penetration (cm):** 35.0  
**Tide (ft):** 3.9      **Actual Penetration (cm):** 63.0  
**Recovery (%):** 76%      **Recovered Core Length (cm):** 48.0

**Log of Station ID:** SD-N-C-D-Scow-01

**Additional Notes:** Attempt 1.



**Sediment Core from Station SD-N-C-Scow-01 (September 24, 2015)**



**Sediment Core from Station SD-N-C-Scow-01 (September 24, 2015)**

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