Appendix D

Sediment Sample Grain Size Characteristic Graphs

Sample Name
location-core#-section,sample
(ChesBay-01-1a)

Section length that was channel-sampled, in feet
(0'-5')

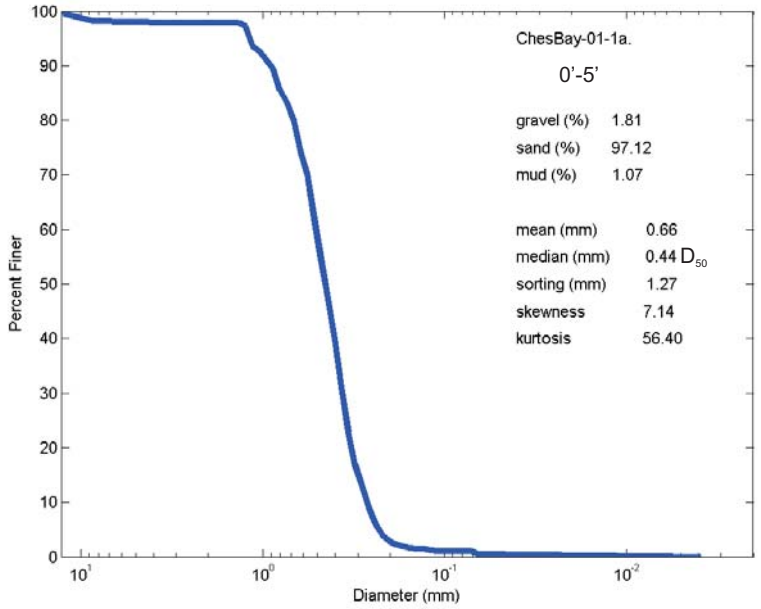
Percent of material in each category
The gravel portion of the samples were analyzed by sieve, the sand portion of the sample was analyzed with VIMS' Rapid Sediment Analyzer, and the silt and clay portion by pipette analysis.
gravel (>2 mm)
sand (2mm>sand<0.0625 mm)
mud (<0.0625mm)

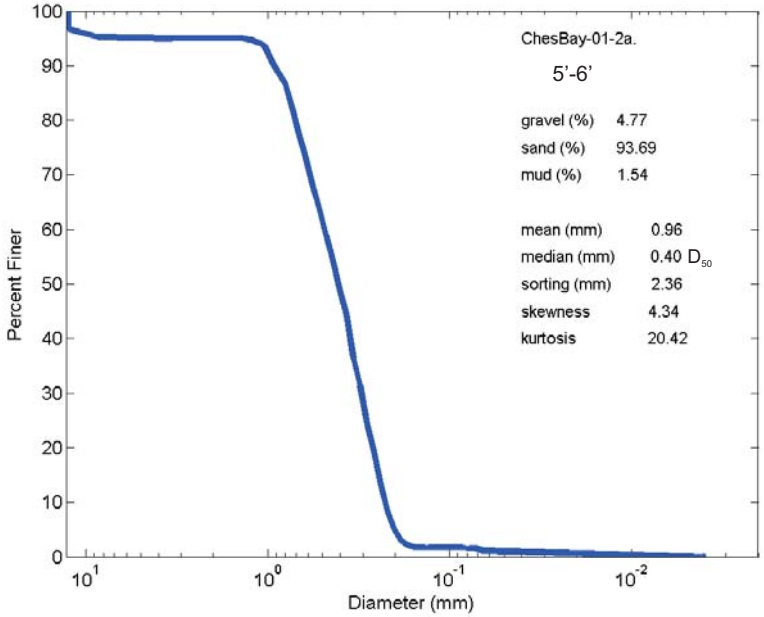
Sample statistics
The overall sample statistics shown on the graph were calculated in MATLAB using procedures outlined by Blott and Pye (2001) in Earth Surf. Process. Landforms 26, 1237–1248 as shown below.

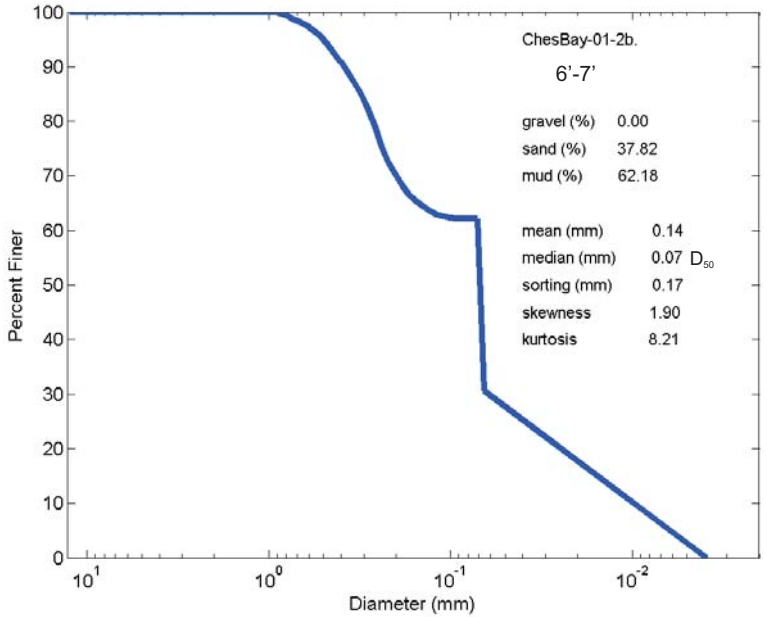
(a) Arithmetic method of moments

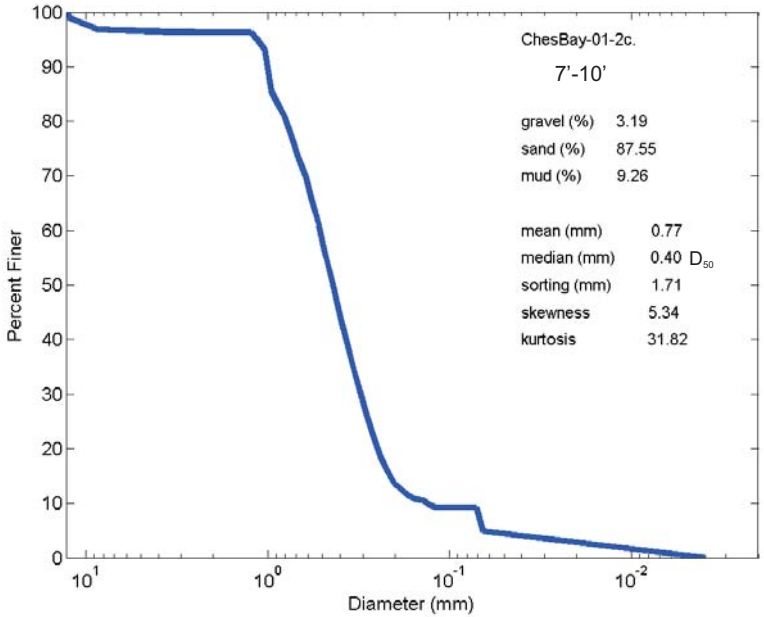
Mean	Standard deviation	Skewness	Kurtosis
$\bar{x}_a = \frac{\Sigma f m_m}{100}$	$\sigma_a = \sqrt{\frac{\Sigma f (m_m - \bar{x}_a)^2}{100}}$	$Sk_a = \frac{\Sigma f (m_m - \bar{x}_a)^3}{100\sigma_a{}^3}$	$K_a = \frac{\Sigma f (m_m - \bar{x}_a)^4}{100\sigma_a{}^4}$

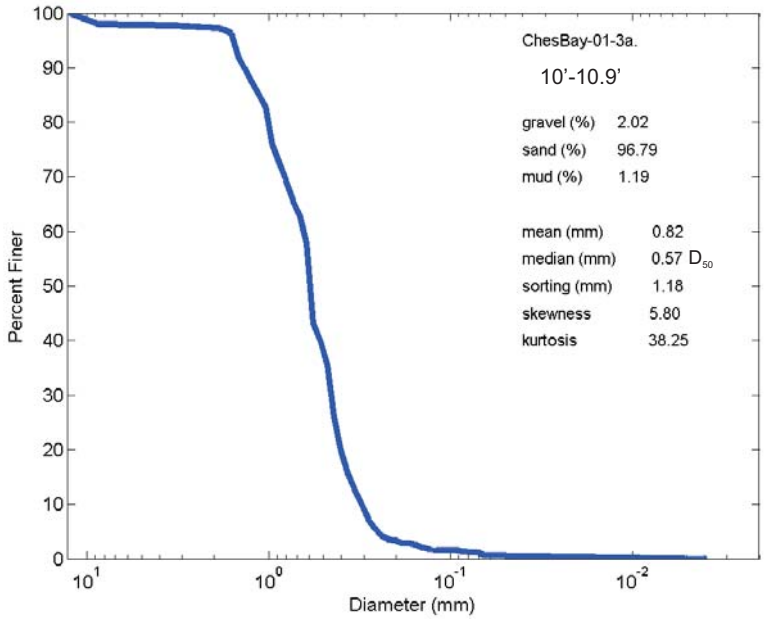
Sorting (σ_g)		Skewness (Sk_g)		Kurtosis (K_g)	
Very well sorted	<1·27	Very fine skewed	<$^{-}$1·30	Very platykurtic	<1·70
Well sorted	1·27–1·41	Fine skewed	$^{-}$1·30 to $^{-}$0·43	Platykurtic	1·70–2·55
Moderately well sorted	1·41–1·62	Symmetrical	$^{-}$0·43 to $^{+}$0·43	Mesokurtic	2·55–3·70
Moderately sorted	1·62–2·00	Coarse skewed	$^{+}$0·43 to $^{+}$1·30	Leptokurtic	3·70–7·40
Poorly sorted	2·00–4·00	Very coarse skewed	>$^{+}$1·30	Very leptokurtic	>7·40
Very poorly sorted	4·00–16·00				
Extremely poorly sorted	>16·00				

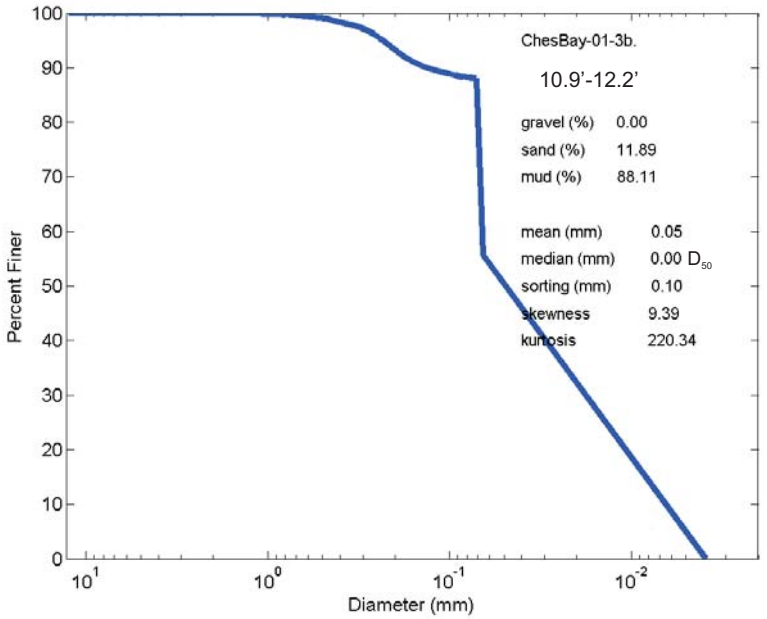

ChesBay-01-1a.
0'-5'
gravel (%) 1.81
sand (%) 97.12
mud (%) 1.07
mean (mm) 0.66
median (mm) 0.44 D50
sorting (mm) 1.27
skewness 7.14
kurtosis 56.40
Percent Finer
Diameter (mm)

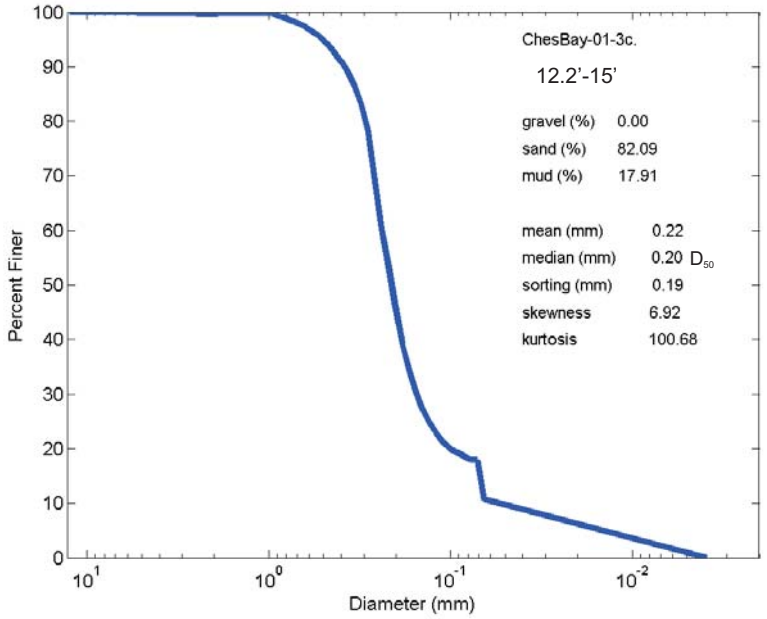

ChesBay-01-2a.
5'-6'
gravel (%) 4.77
sand (%) 93.69
mud (%) 1.54
mean (mm) 0.96
median (mm) 0.40 D50
sorting (mm) 2.36
skewness 4.34
kurtosis 20.42
Percent Finer
Diameter (mm)

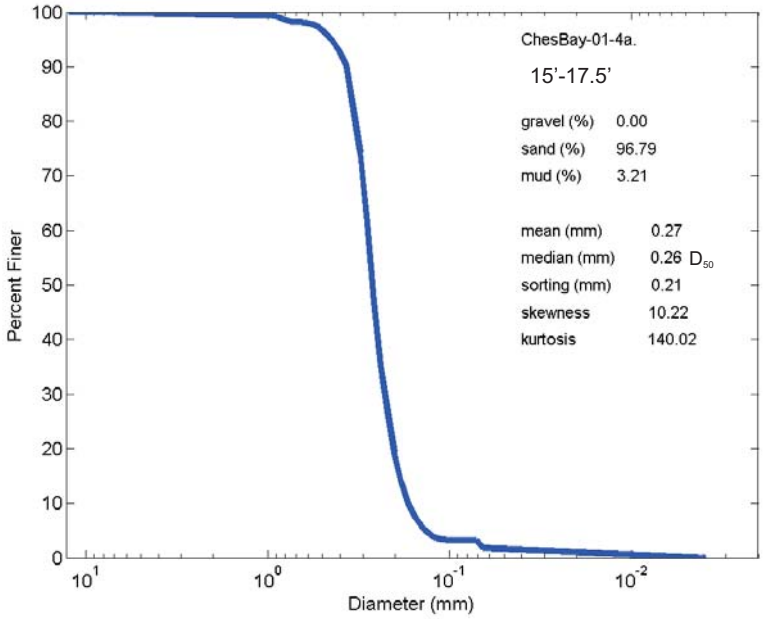

ChesBay-01-2b.
6'-7'
gravel (%) 0.00
sand (%) 37.82
mud (%) 62.18
mean (mm) 0.14
median (mm) 0.07 D50
sorting (mm) 0.17
skewness 1.90
kurtosis 8.21
Percent Finer
Diameter (mm)

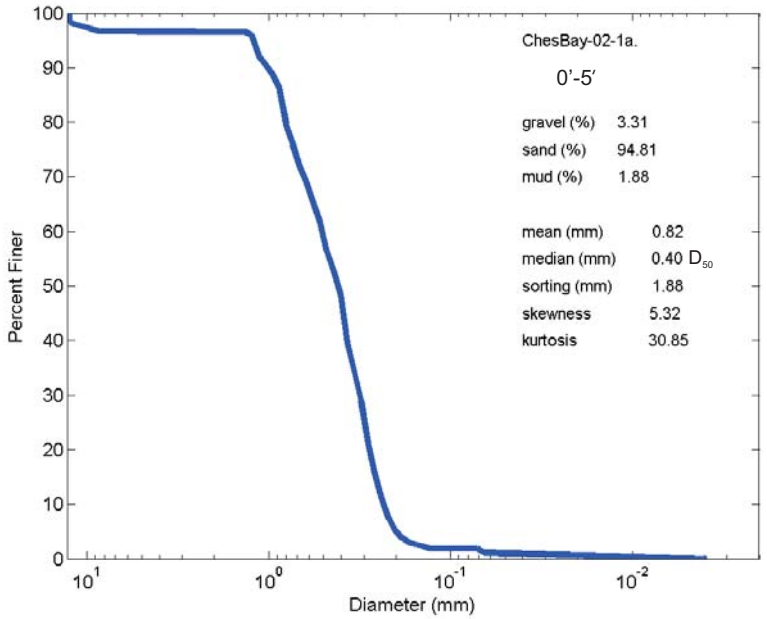

ChesBay-01-2c.
7'-10'
gravel (%) 3.19
sand (%) 87.55
mud (%) 9.26
mean (mm) 0.77
median (mm) 0.40 D50
sorting (mm) 1.71
skewness 5.34
kurtosis 31.82
Percent Finer
Diameter (mm)

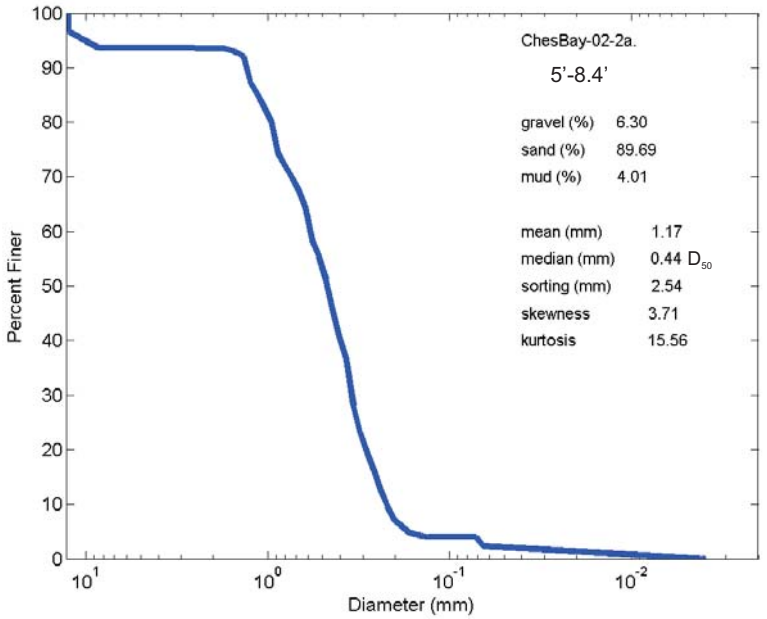

ChesBay-01-3a.
10'-10.9'
gravel (%) 2.02
sand (%) 96.79
mud (%) 1.19
mean (mm) 0.82
median (mm) 0.57 D_{50}
sorting (mm) 1.18
skewness 5.80
kurtosis 38.25
Percent Finer
Diameter (mm)

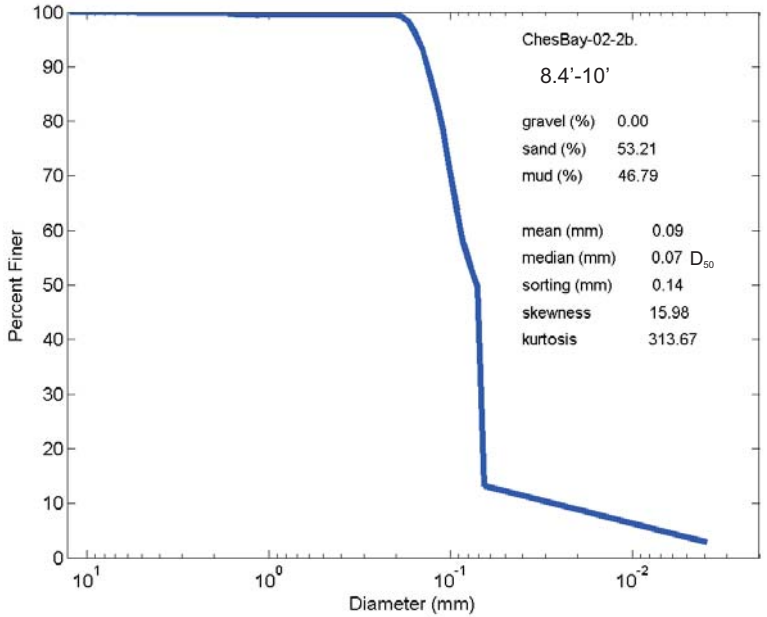

ChesBay-01-3b.
10.9'-12.2'
gravel (%) 0.00
sand (%) 11.89
mud (%) 88.11
mean (mm) 0.05
median (mm) 0.00 D_{50}
sorting (mm) 0.10
skewness 9.39
kurtosis 220.34
Percent Finer
Diameter (mm)

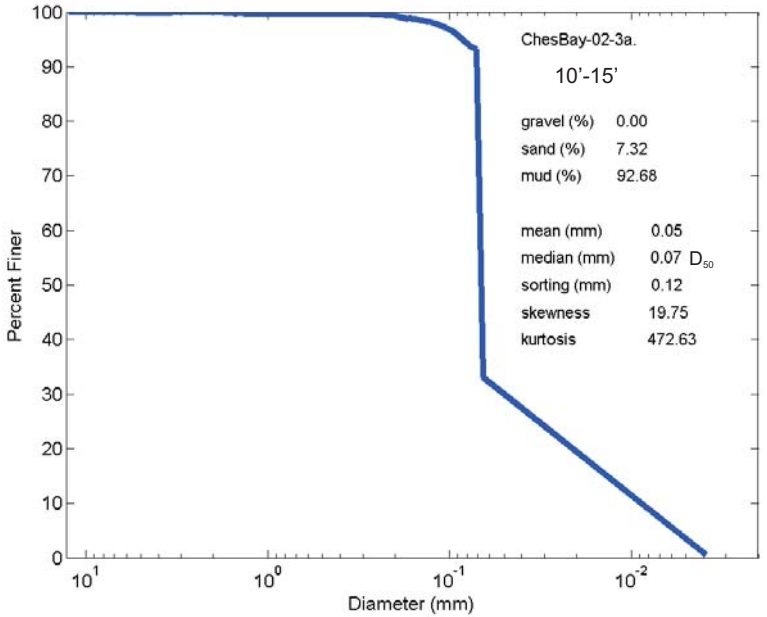

ChesBay-01-3c.
12.2'-15'
gravel (%) 0.00
sand (%) 82.09
mud (%) 17.91
mean (mm) 0.22
median (mm) 0.20 D_{50}
sorting (mm) 0.19
skewness 6.92
kurtosis 100.68
Percent Finer
Diameter (mm)

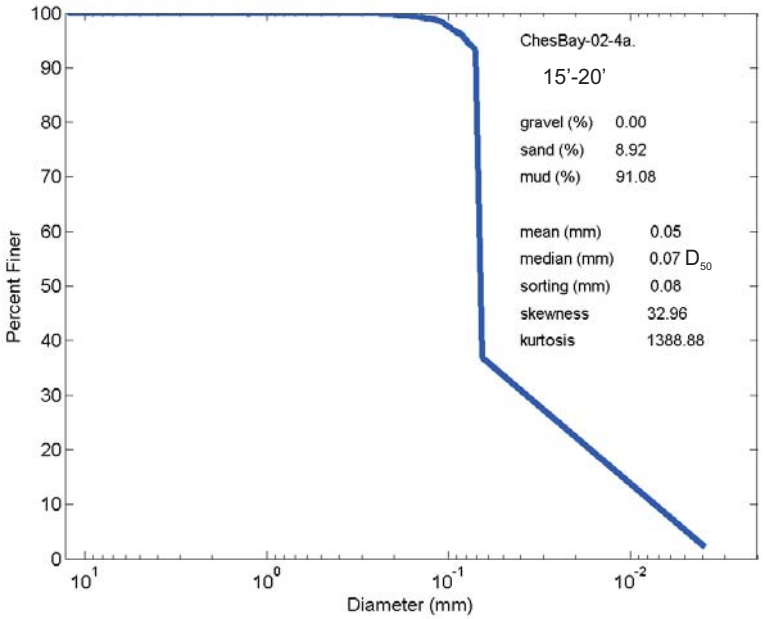

ChesBay-01-4a.
15'-17.5'
gravel (%) 0.00
sand (%) 96.79
mud (%) 3.21
mean (mm) 0.27
median (mm) 0.26 D_{50}
sorting (mm) 0.21
skewness 10.22
kurtosis 140.02
Percent Finer
Diameter (mm)

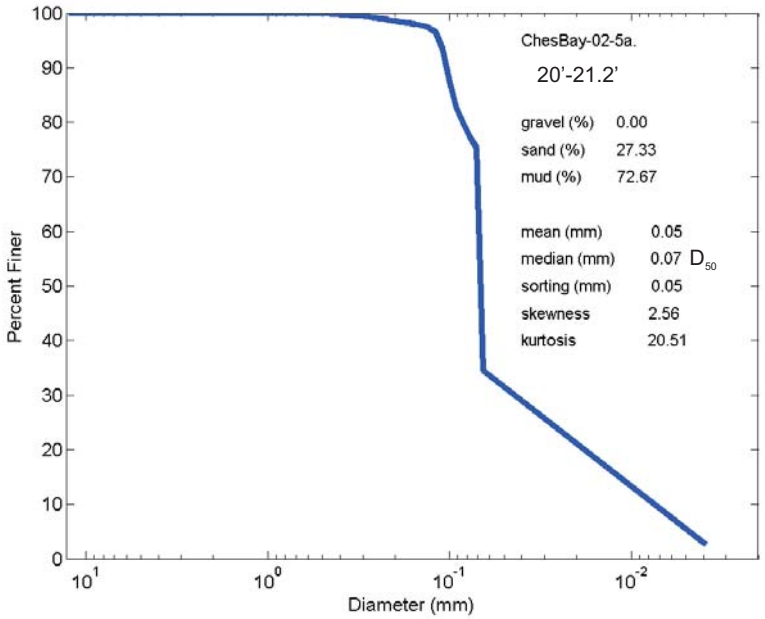

ChesBay-02-1a.
0'-5'
gravel (%) 3.31
sand (%) 94.81
mud (%) 1.88
mean (mm) 0.82
median (mm) 0.40 D50
sorting (mm) 1.88
skewness 5.32
kurtosis 30.85
Percent Finer
Diameter (mm)

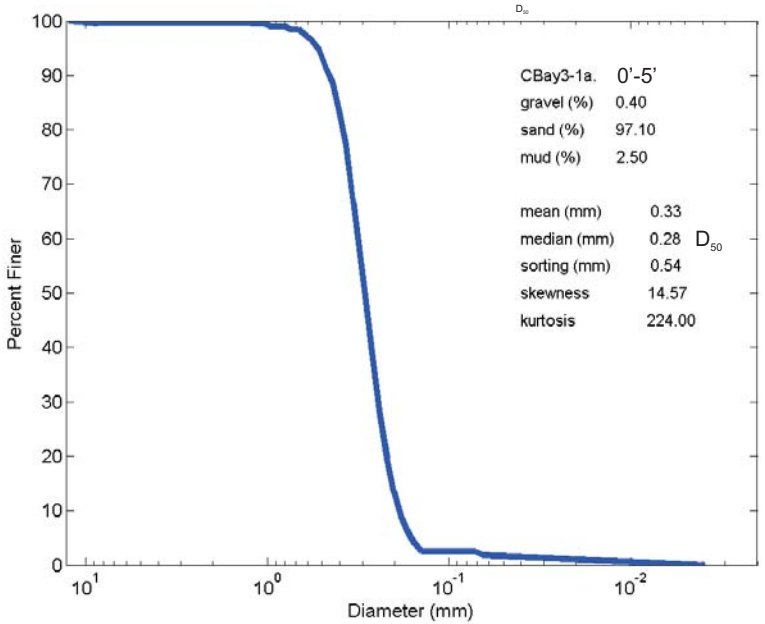

ChesBay-02-2a.
5'-8.4'
gravel (%) 6.30
sand (%) 89.69
mud (%) 4.01
mean (mm) 1.17
median (mm) 0.44 D50
sorting (mm) 2.54
skewness 3.71
kurtosis 15.56
Percent Finer
Diameter (mm)

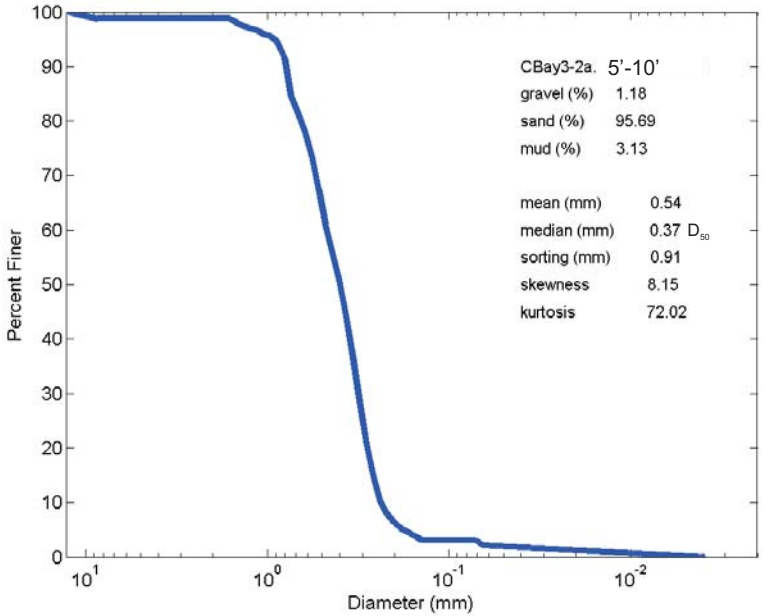

ChesBay-02-2b.
8.4'-10'
gravel (%) 0.00
sand (%) 53.21
mud (%) 46.79
mean (mm) 0.09
median (mm) 0.07 D50
sorting (mm) 0.14
skewness 15.98
kurtosis 313.67
Percent Finer
Diameter (mm)

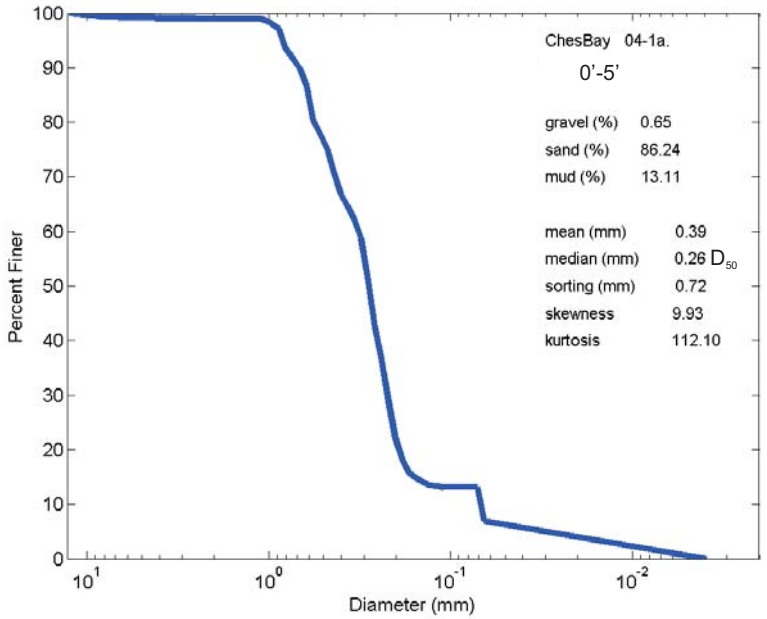

ChesBay-02-3a.
10'-15'
gravel (%) 0.00
sand (%) 7.32
mud (%) 92.68
mean (mm) 0.05
median (mm) 0.07 D50
sorting (mm) 0.12
skewness 19.75
kurtosis 472.63
Percent Finer
Diameter (mm)

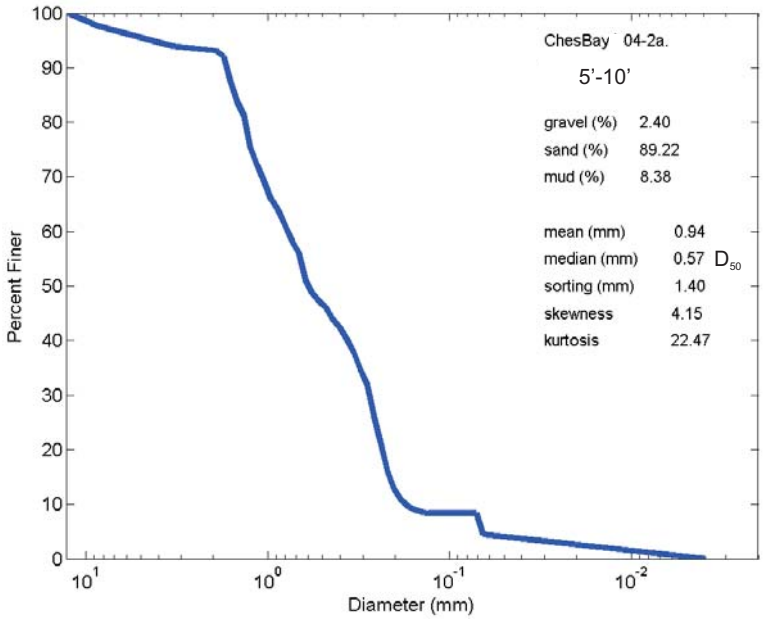

ChesBay-02-4a.
15'-20'
gravel (%) 0.00
sand (%) 8.92
mud (%) 91.08
mean (mm) 0.05
median (mm) 0.07 D50
sorting (mm) 0.08
skewness 32.96
kurtosis 1388.88
Percent Finer
Diameter (mm)

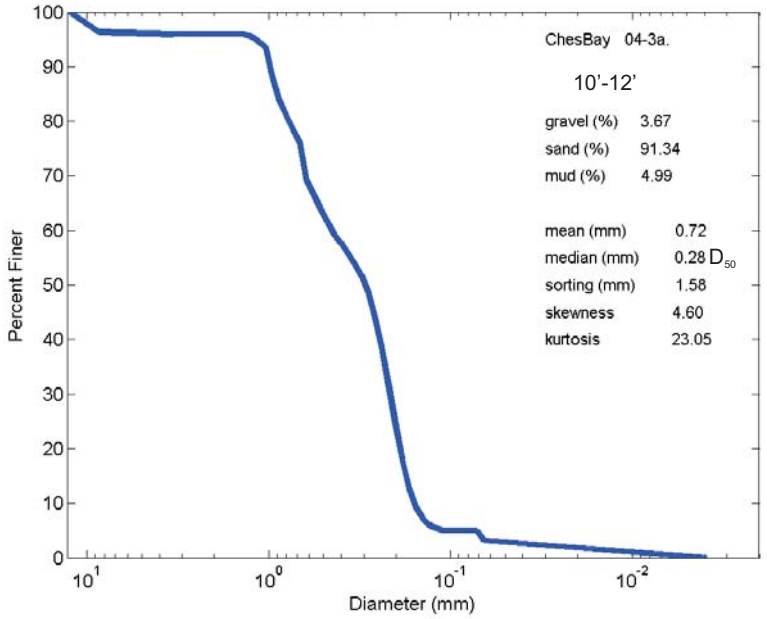

ChesBay-02-5a.
20'-21.2'
gravel (%) 0.00
sand (%) 27.33
mud (%) 72.67
mean (mm) 0.05
median (mm) 0.07 D50
sorting (mm) 0.05
skewness 2.56
kurtosis 20.51
Percent Finer
Diameter (mm)

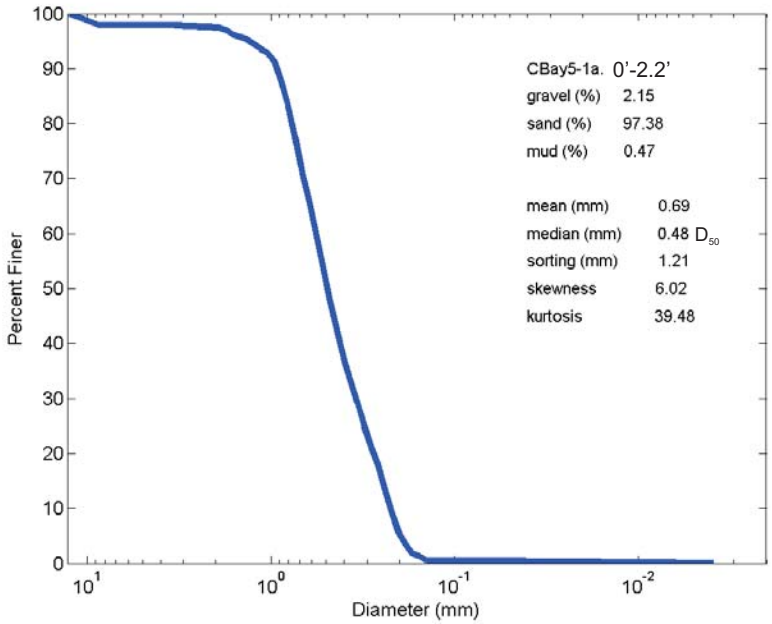

CBay3-1a. 0'-5'
gravel (%) 0.40
sand (%) 97.10
mud (%) 2.50
mean (mm) 0.33
median (mm) 0.28 D50
sorting (mm) 0.54
skewness 14.57
kurtosis 224.00
Percent Finer
Diameter (mm)

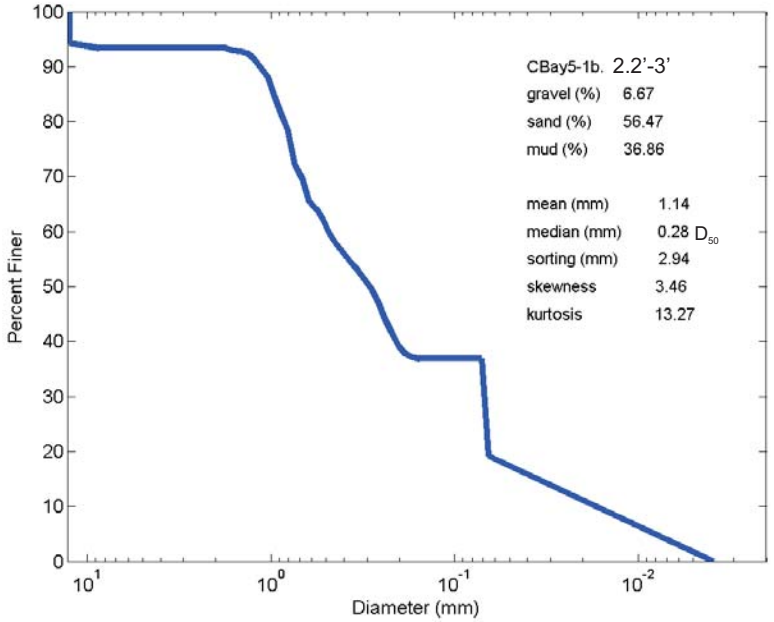

CBay3-2a. 5'-10'
gravel (%) 1.18
sand (%) 95.69
mud (%) 3.13
mean (mm) 0.54
median (mm) 0.37 D50
sorting (mm) 0.91
skewness 8.15
kurtosis 72.02
Percent Finer
Diameter (mm)

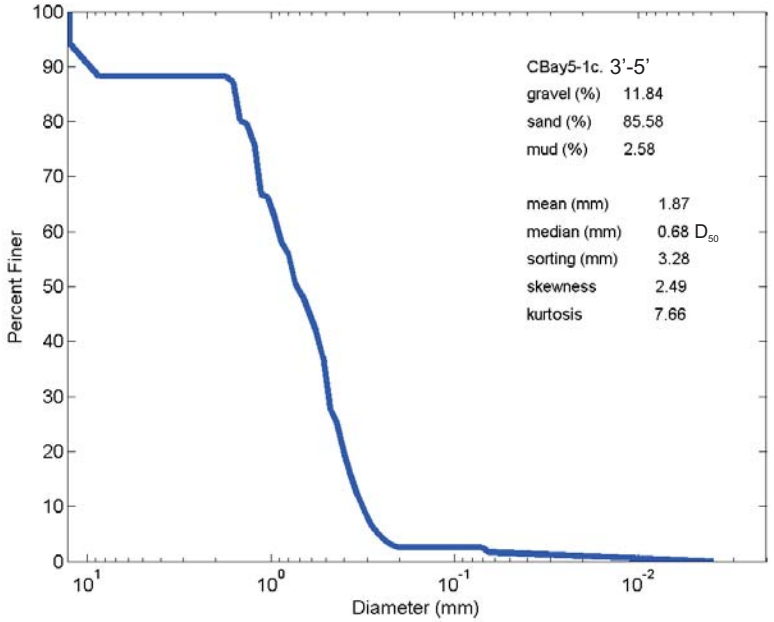

ChesBay 04-1a.
0'-5'
gravel (%) 0.65
sand (%) 86.24
mud (%) 13.11
mean (mm) 0.39
median (mm) 0.26 D50
sorting (mm) 0.72
skewness 9.93
kurtosis 112.10
Percent Finer
Diameter (mm)

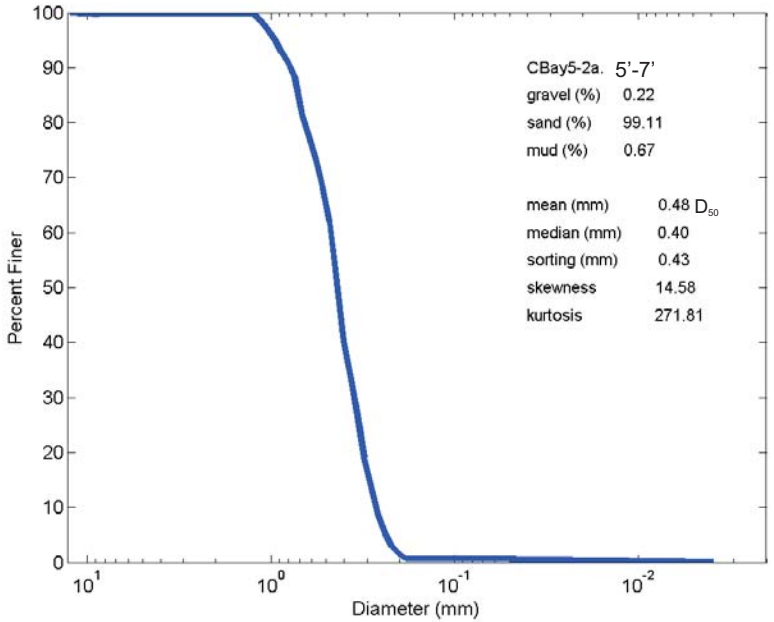

ChesBay 04-2a.
5'-10'
gravel (%) 2.40
sand (%) 89.22
mud (%) 8.38
mean (mm) 0.94
median (mm) 0.57 D50
sorting (mm) 1.40
skewness 4.15
kurtosis 22.47
Percent Finer
Diameter (mm)

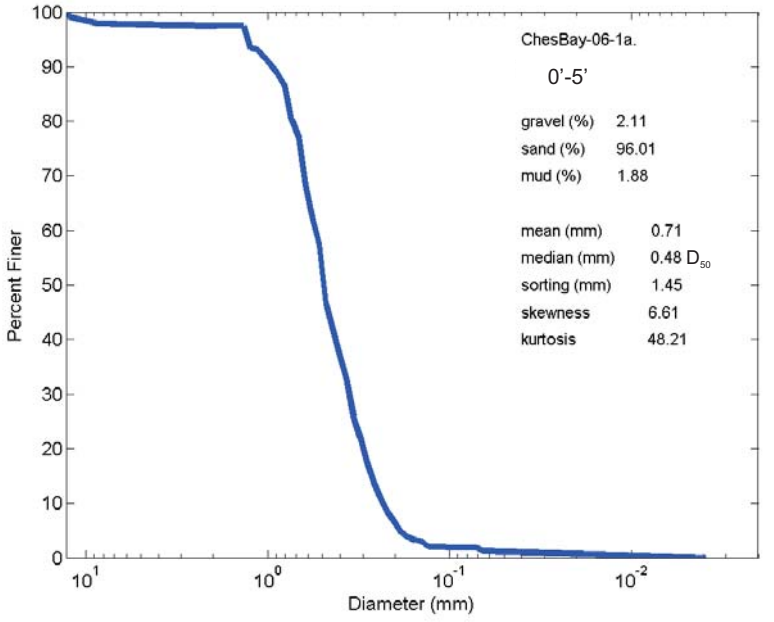

ChesBay 04-3a.
10'-12'
gravel (%) 3.67
sand (%) 91.34
mud (%) 4.99
mean (mm) 0.72
median (mm) 0.28 D50
sorting (mm) 1.58
skewness 4.60
kurtosis 23.05
Percent Finer
Diameter (mm)

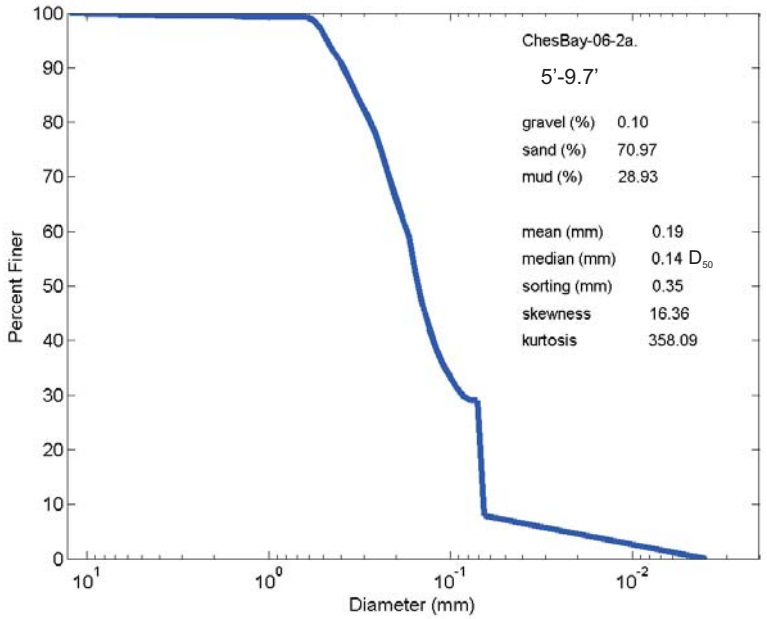

CBay5-1a. 0'-2.2'
gravel (%) 2.15
sand (%) 97.38
mud (%) 0.47
mean (mm) 0.69
median (mm) 0.48 D50
sorting (mm) 1.21
skewness 6.02
kurtosis 39.48
Percent Finer
Diameter (mm)

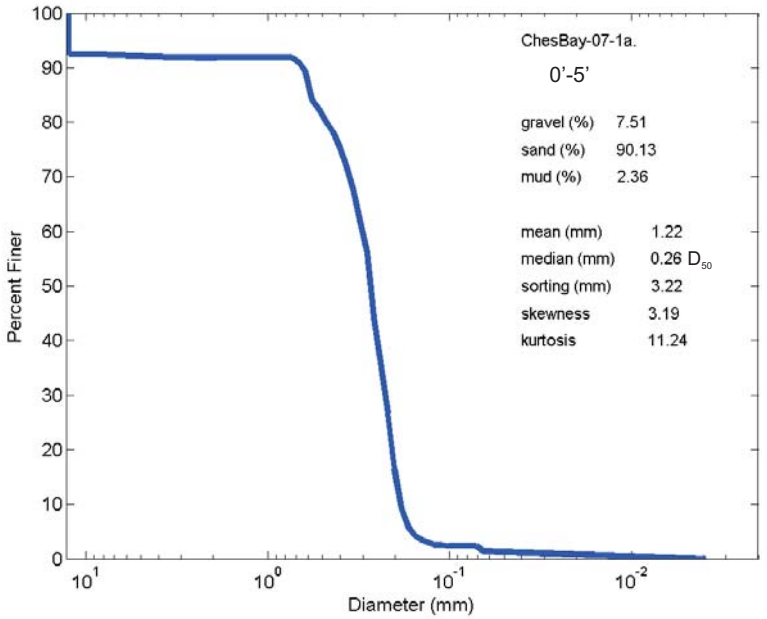

CBay5-1b. 2.2'-3'
gravel (%) 6.67
sand (%) 56.47
mud (%) 36.86
mean (mm) 1.14
median (mm) 0.28 D50
sorting (mm) 2.94
skewness 3.46
kurtosis 13.27
Percent Finer
Diameter (mm)

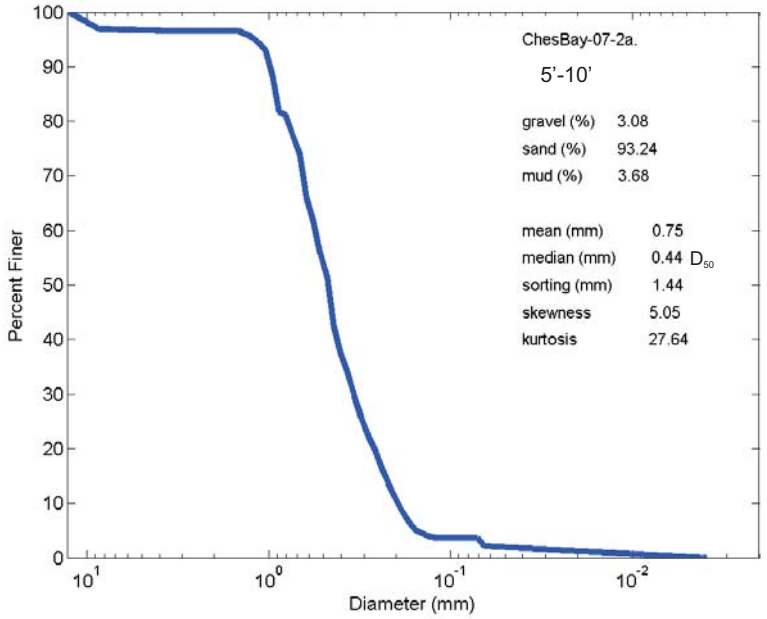

CBay5-1c. 3'-5'
gravel (%) 11.84
sand (%) 85.58
mud (%) 2.58
mean (mm) 1.87
median (mm) 0.68 D50
sorting (mm) 3.28
skewness 2.49
kurtosis 7.66
Percent Finer
Diameter (mm)

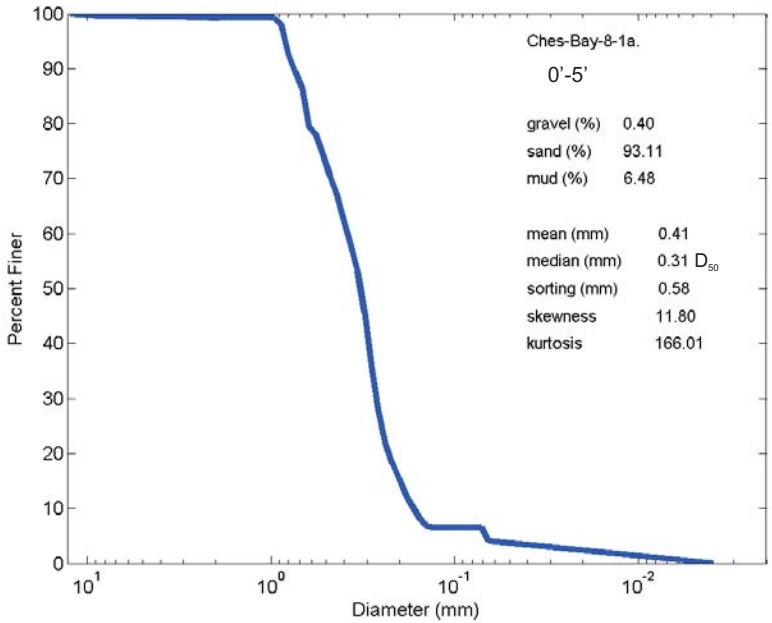

CBay5-2a. 5'-7'
gravel (%) 0.22
sand (%) 99.11
mud (%) 0.67
mean (mm) 0.48 D50
median (mm) 0.40
sorting (mm) 0.43
skewness 14.58
kurtosis 271.81
Percent Finer
Diameter (mm)

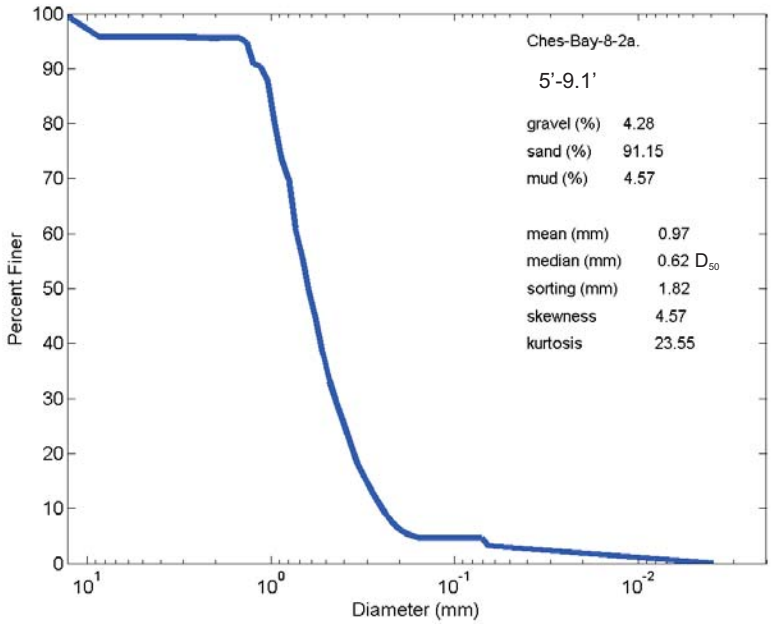

ChesBay-06-1a.
0'-5'
gravel (%) 2.11
sand (%) 96.01
mud (%) 1.88
mean (mm) 0.71
median (mm) 0.48 D50
sorting (mm) 1.45
skewness 6.61
kurtosis 48.21
Percent Finer
Diameter (mm)

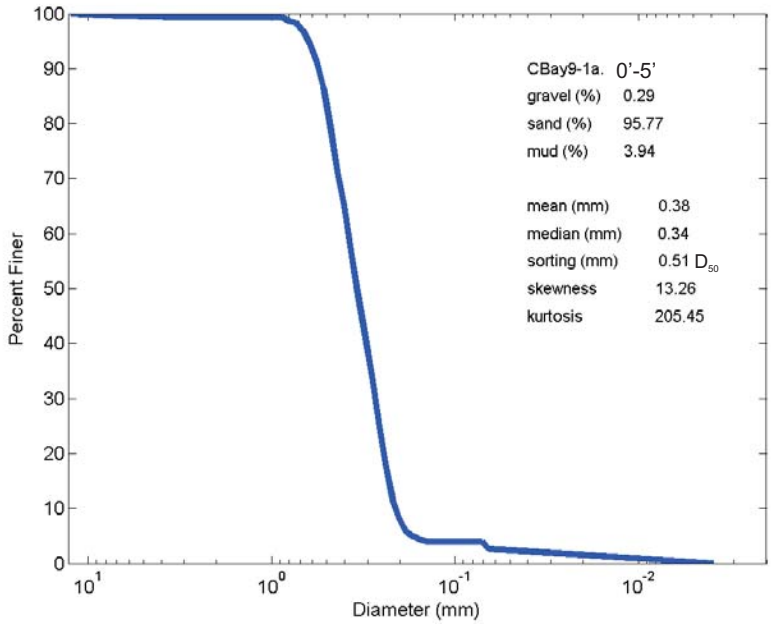

ChesBay-06-2a.
5'-9.7'
gravel (%) 0.10
sand (%) 70.97
mud (%) 28.93
mean (mm) 0.19
median (mm) 0.14 D50
sorting (mm) 0.35
skewness 16.36
kurtosis 358.09
Percent Finer
Diameter (mm)

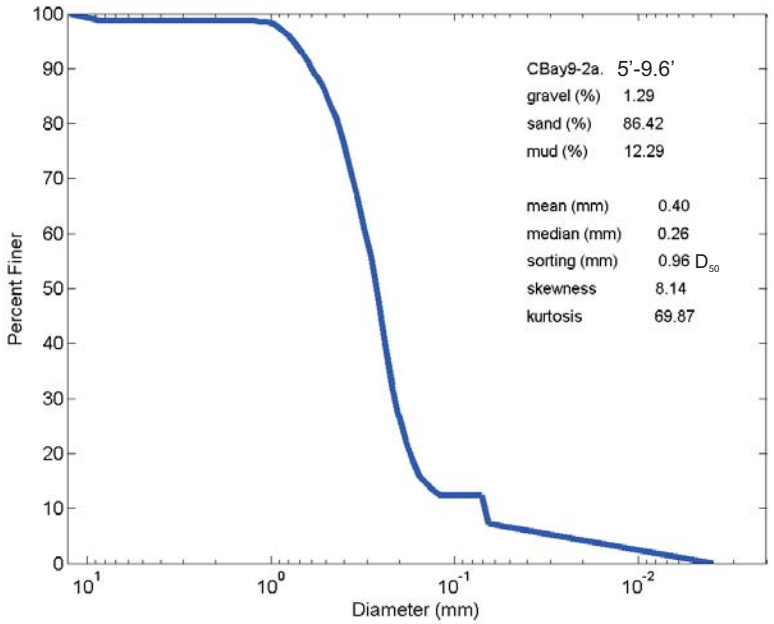

ChesBay-07-1a.
0'-5'
gravel (%) 7.51
sand (%) 90.13
mud (%) 2.36
mean (mm) 1.22
median (mm) 0.26 D50
sorting (mm) 3.22
skewness 3.19
kurtosis 11.24
Percent Finer
Diameter (mm)

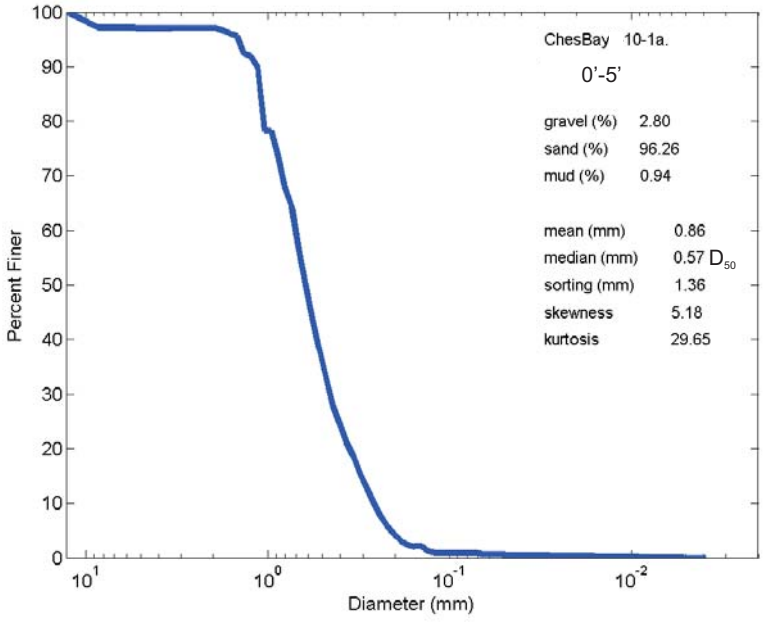

ChesBay-07-2a.
5'-10'
gravel (%) 3.08
sand (%) 93.24
mud (%) 3.68
mean (mm) 0.75
median (mm) 0.44 D50
sorting (mm) 1.44
skewness 5.05
kurtosis 27.64
Percent Finer
Diameter (mm)

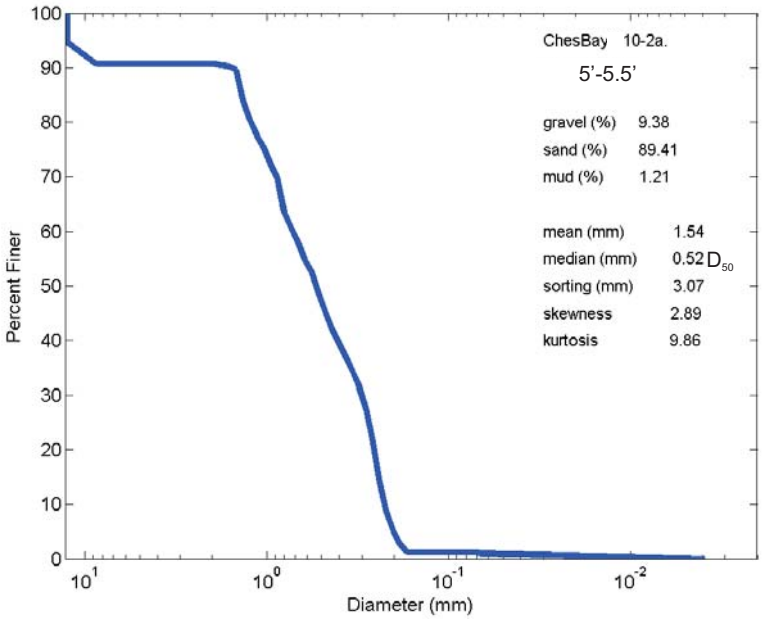

Ches-Bay-8-1a.
0'-5'
gravel (%) 0.40
sand (%) 93.11
mud (%) 6.48
mean (mm) 0.41
median (mm) 0.31 D50
sorting (mm) 0.58
skewness 11.80
kurtosis 166.01
Percent Finer
Diameter (mm)

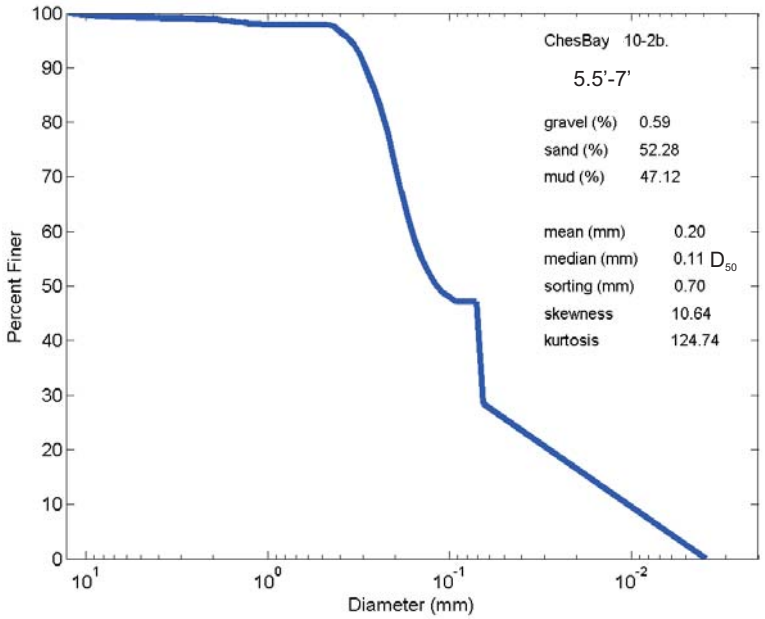

Ches-Bay-8-2a.
5'-9.1'
gravel (%) 4.28
sand (%) 91.15
mud (%) 4.57
mean (mm) 0.97
median (mm) 0.62 D50
sorting (mm) 1.82
skewness 4.57
kurtosis 23.55
Percent Finer
Diameter (mm)

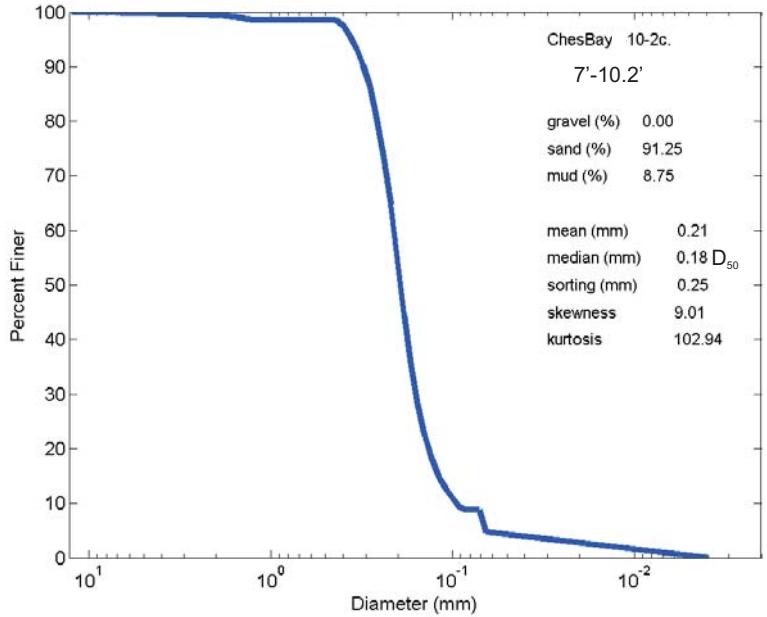

CBay9-1a. 0'-5'
gravel (%) 0.29
sand (%) 95.77
mud (%) 3.94
mean (mm) 0.38
median (mm) 0.34
sorting (mm) 0.51 D50
skewness 13.26
kurtosis 205.45
Percent Finer
Diameter (mm)

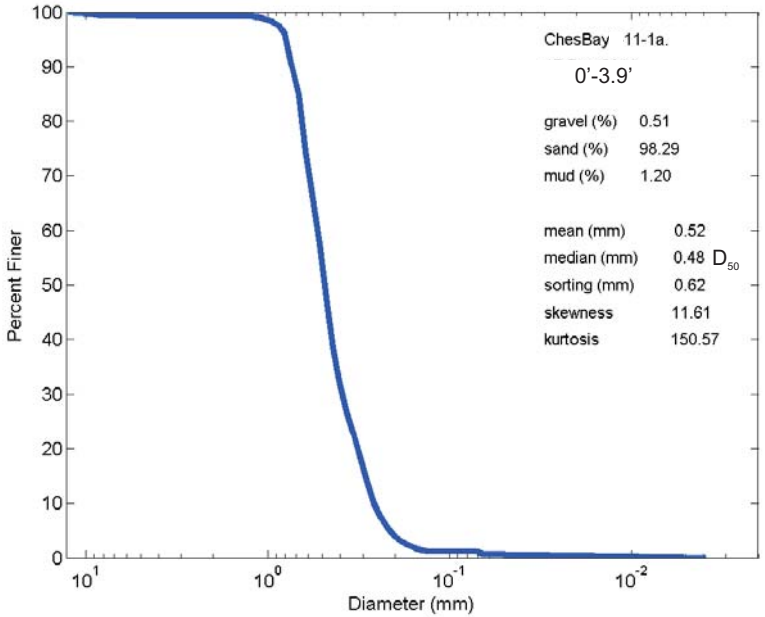

CBay9-2a. 5'-9.6'
gravel (%) 1.29
sand (%) 86.42
mud (%) 12.29
mean (mm) 0.40
median (mm) 0.26
sorting (mm) 0.96 D50
skewness 8.14
kurtosis 69.87
Percent Finer
Diameter (mm)

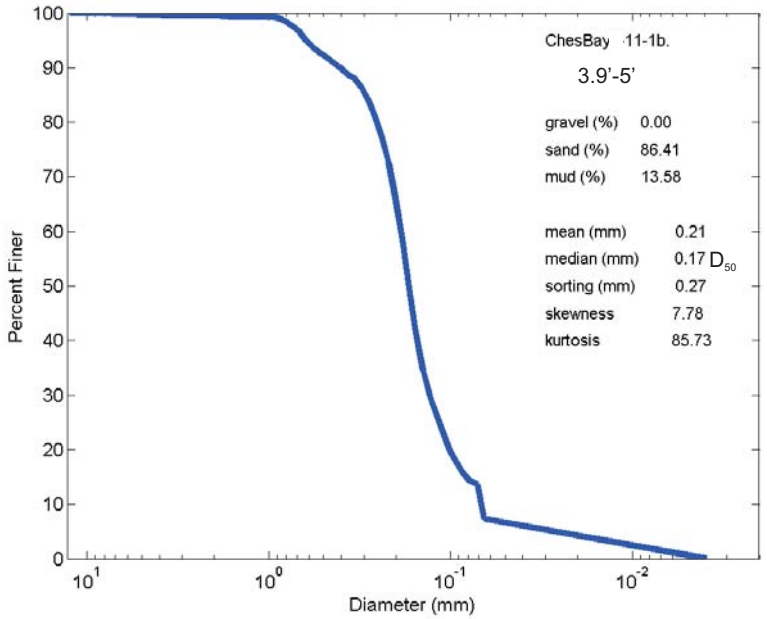

ChesBay 10-1a.
0'-5'
gravel (%) 2.80
sand (%) 96.26
mud (%) 0.94
mean (mm) 0.86
median (mm) 0.57 D50
sorting (mm) 1.36
skewness 5.18
kurtosis 29.65
Percent Finer
Diameter (mm)

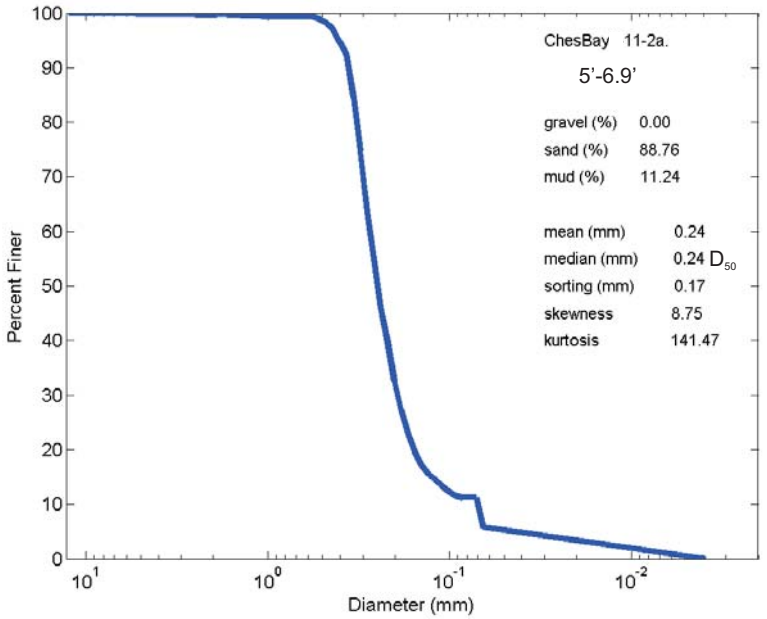

ChesBay 10-2a.
5'-5.5'
gravel (%) 9.38
sand (%) 89.41
mud (%) 1.21
mean (mm) 1.54
median (mm) 0.52 D50
sorting (mm) 3.07
skewness 2.89
kurtosis 9.86
Percent Finer
Diameter (mm)

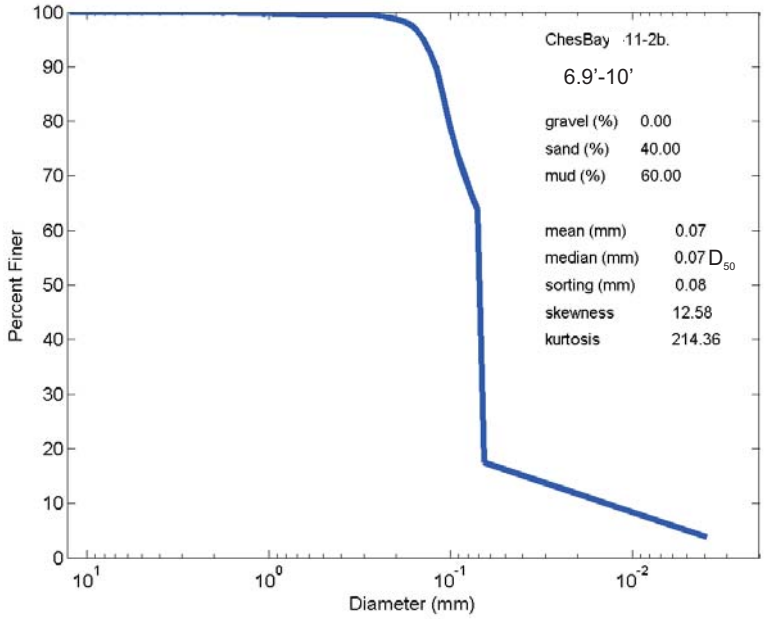

ChesBay 10-2b.
5.5'-7'
gravel (%) 0.59
sand (%) 52.28
mud (%) 47.12
mean (mm) 0.20
median (mm) 0.11 D50
sorting (mm) 0.70
skewness 10.64
kurtosis 124.74
Percent Finer
Diameter (mm)

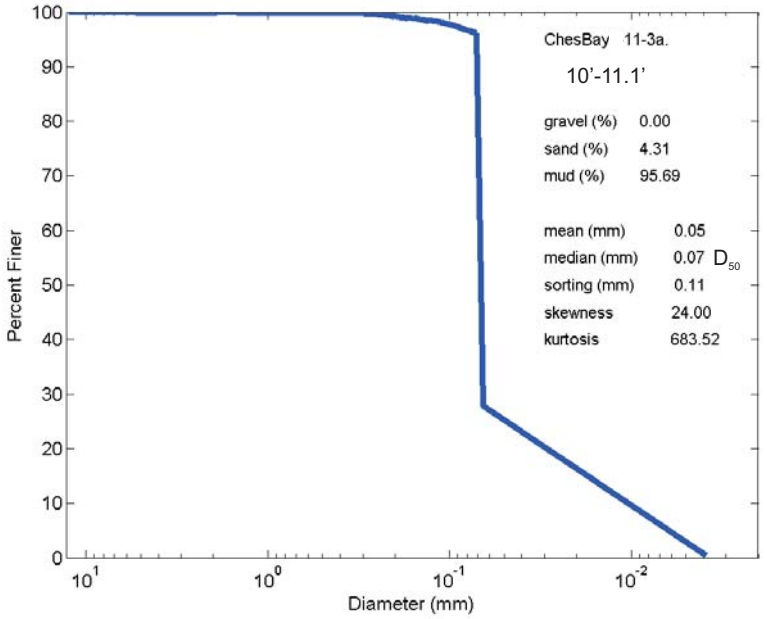

ChesBay 10-2c.
7'-10.2'
gravel (%) 0.00
sand (%) 91.25
mud (%) 8.75
mean (mm) 0.21
median (mm) 0.18 D50
sorting (mm) 0.25
skewness 9.01
kurtosis 102.94
Percent Finer
Diameter (mm)

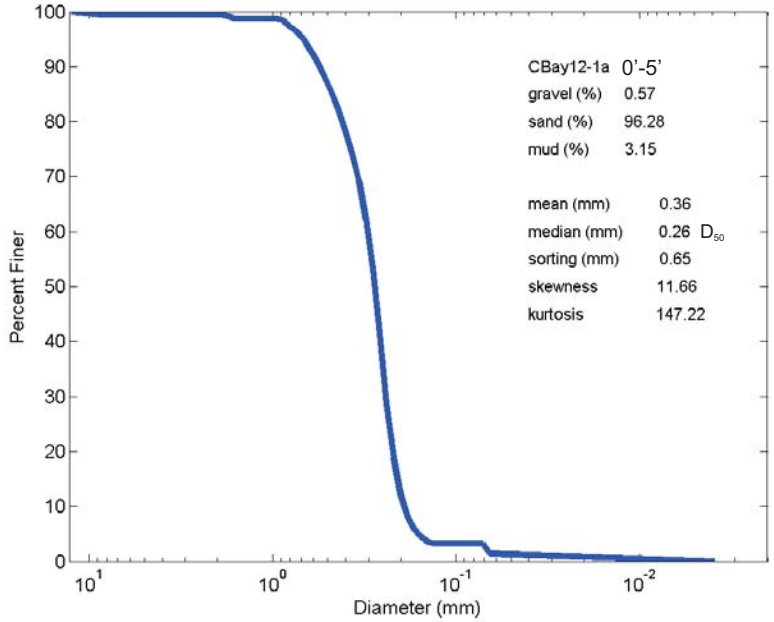

ChesBay 11-1a.
0'-3.9'
gravel (%) 0.51
sand (%) 98.29
mud (%) 1.20
mean (mm) 0.52
median (mm) 0.48 D50
sorting (mm) 0.62
skewness 11.61
kurtosis 150.57
Percent Finer
Diameter (mm)

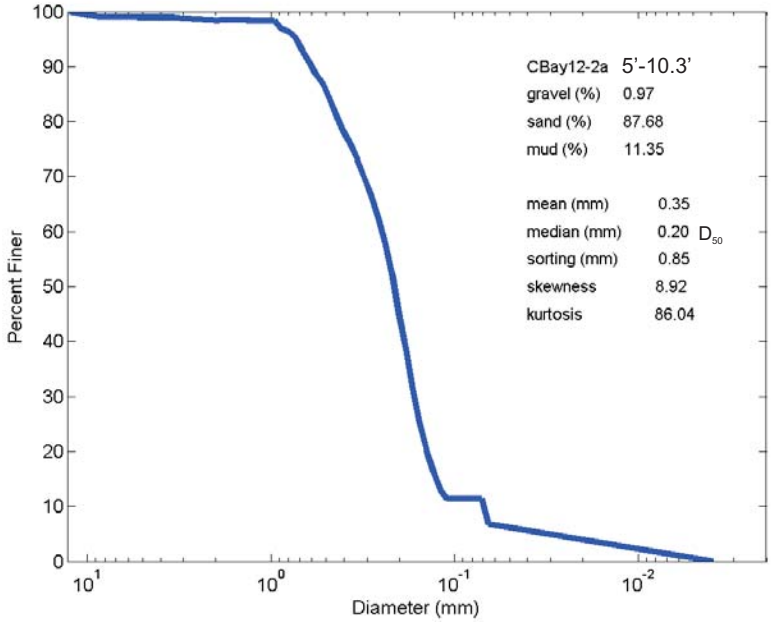

ChesBay 11-1b.
3.9'-5'
gravel (%) 0.00
sand (%) 86.41
mud (%) 13.58
mean (mm) 0.21
median (mm) 0.17 D50
sorting (mm) 0.27
skewness 7.78
kurtosis 85.73
Percent Finer
Diameter (mm)

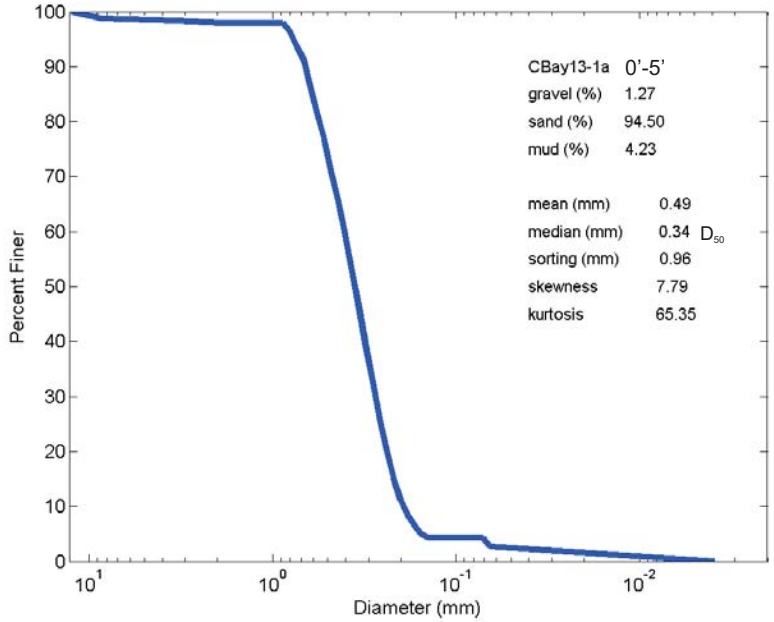

ChesBay 11-2a.
5'-6.9'
gravel (%) 0.00
sand (%) 88.76
mud (%) 11.24
mean (mm) 0.24
median (mm) 0.24 D50
sorting (mm) 0.17
skewness 8.75
kurtosis 141.47
Percent Finer
Diameter (mm)

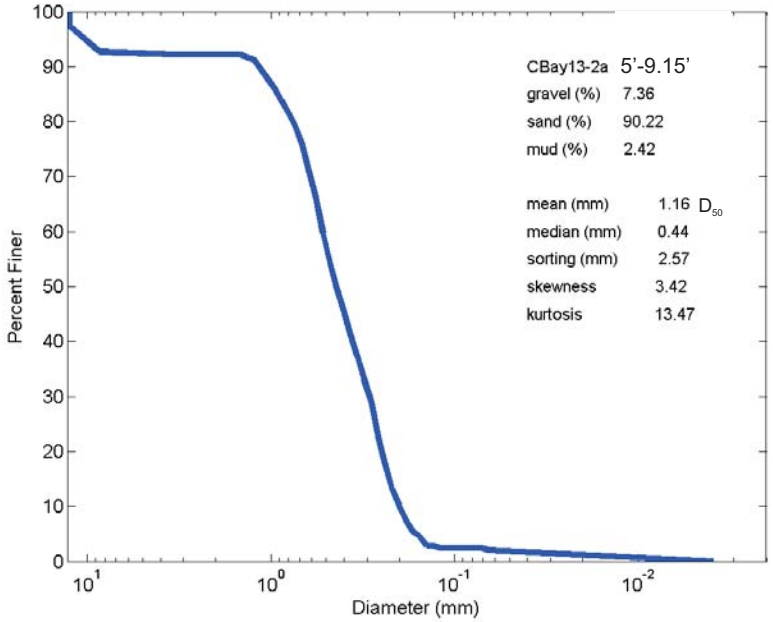

ChesBay 11-2b.
6.9'-10'
gravel (%) 0.00
sand (%) 40.00
mud (%) 60.00
mean (mm) 0.07
median (mm) 0.07 D50
sorting (mm) 0.08
skewness 12.58
kurtosis 214.36
Percent Finer
Diameter (mm)

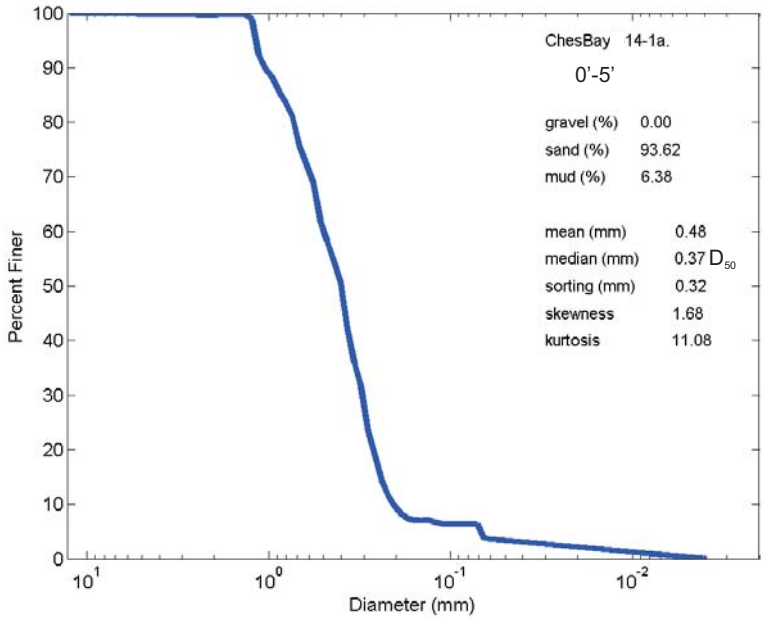

ChesBay 11-3a.
10'-11.1'
gravel (%) 0.00
sand (%) 4.31
mud (%) 95.69
mean (mm) 0.05
median (mm) 0.07 D50
sorting (mm) 0.11
skewness 24.00
kurtosis 683.52
Percent Finer
Diameter (mm)

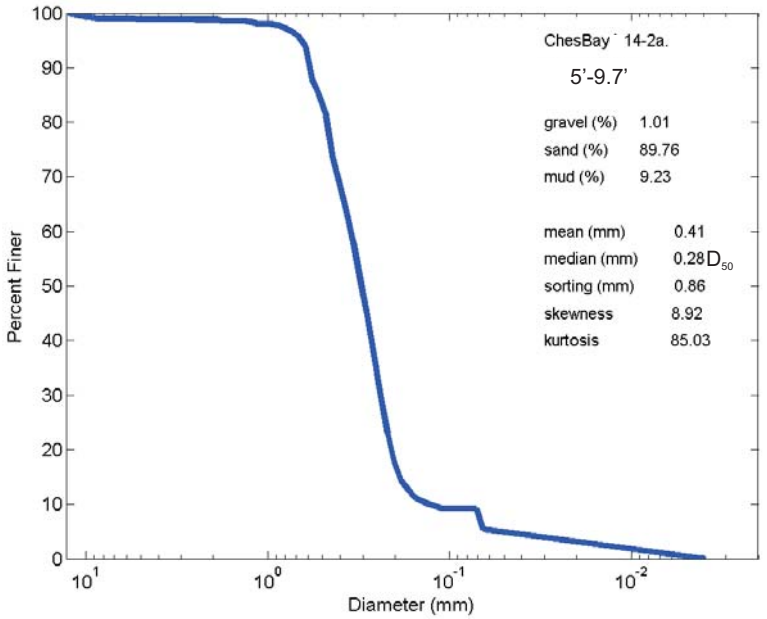

CBay12-1a 0'-5'
gravel (%) 0.57
sand (%) 96.28
mud (%) 3.15
mean (mm) 0.36
median (mm) 0.26 D50
sorting (mm) 0.65
skewness 11.66
kurtosis 147.22
Percent Finer
Diameter (mm)

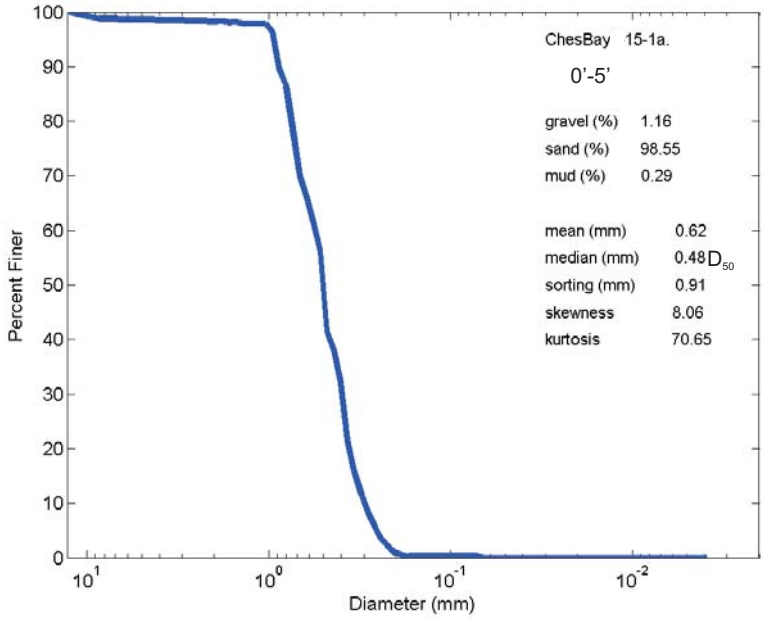

CBay12-2a 5'-10.3'
gravel (%) 0.97
sand (%) 87.68
mud (%) 11.35
mean (mm) 0.35
median (mm) 0.20 D50
sorting (mm) 0.85
skewness 8.92
kurtosis 86.04
Percent Finer
Diameter (mm)

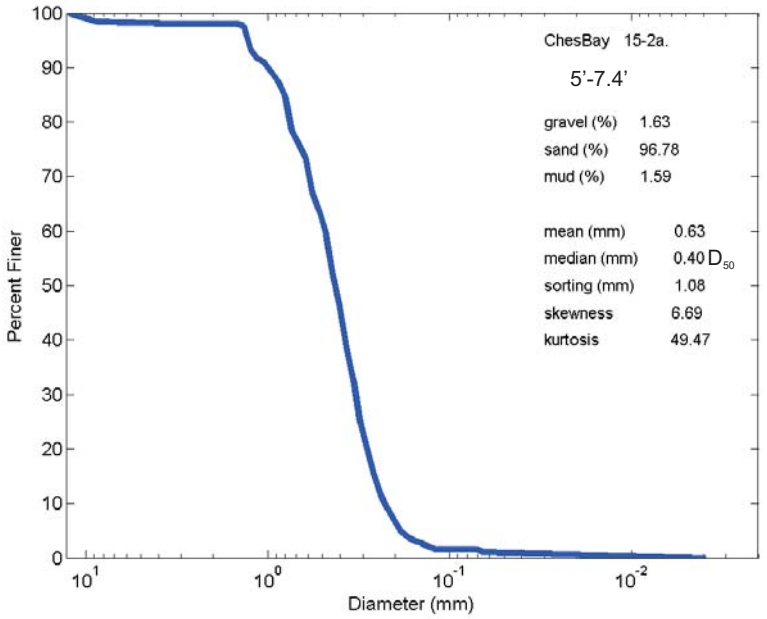

CBay13-1a 0'-5'
gravel (%) 1.27
sand (%) 94.50
mud (%) 4.23
mean (mm) 0.49
median (mm) 0.34 D50
sorting (mm) 0.96
skewness 7.79
kurtosis 65.35
Percent Finer
Diameter (mm)

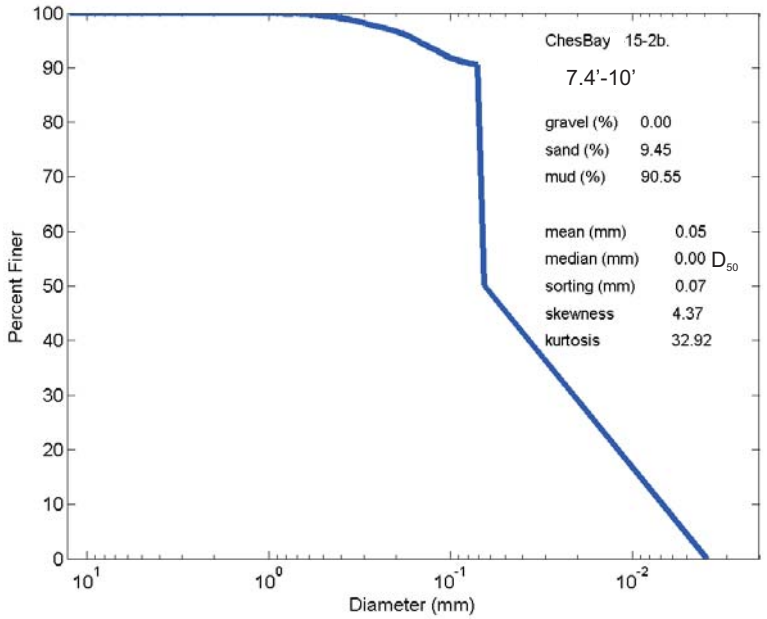

CBay13-2a 5'-9.15'
gravel (%) 7.36
sand (%) 90.22
mud (%) 2.42
mean (mm) 1.16 D50
median (mm) 0.44
sorting (mm) 2.57
skewness 3.42
kurtosis 13.47
Percent Finer
Diameter (mm)

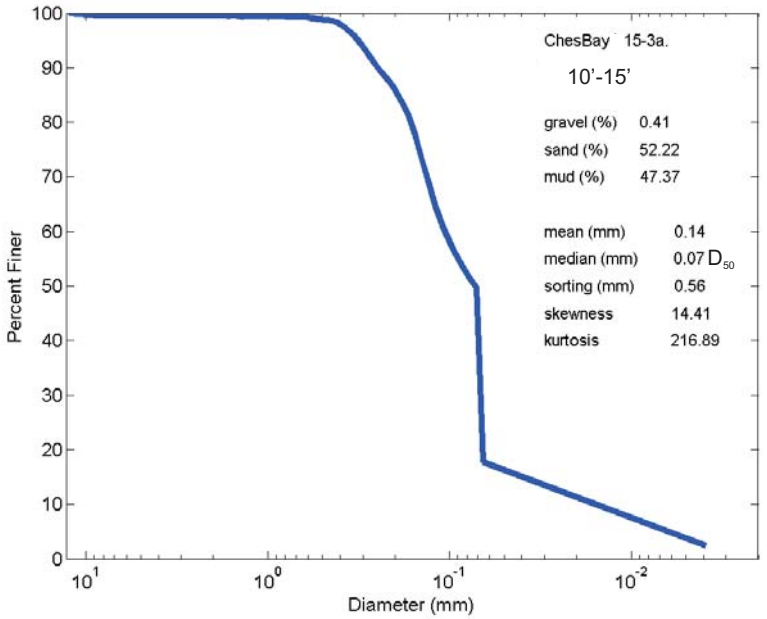

ChesBay 14-1a.
0'-5'
gravel (%) 0.00
sand (%) 93.62
mud (%) 6.38
mean (mm) 0.48
median (mm) 0.37 D_{50}
sorting (mm) 0.32
skewness 1.68
kurtosis 11.08
Percent Finer
Diameter (mm)

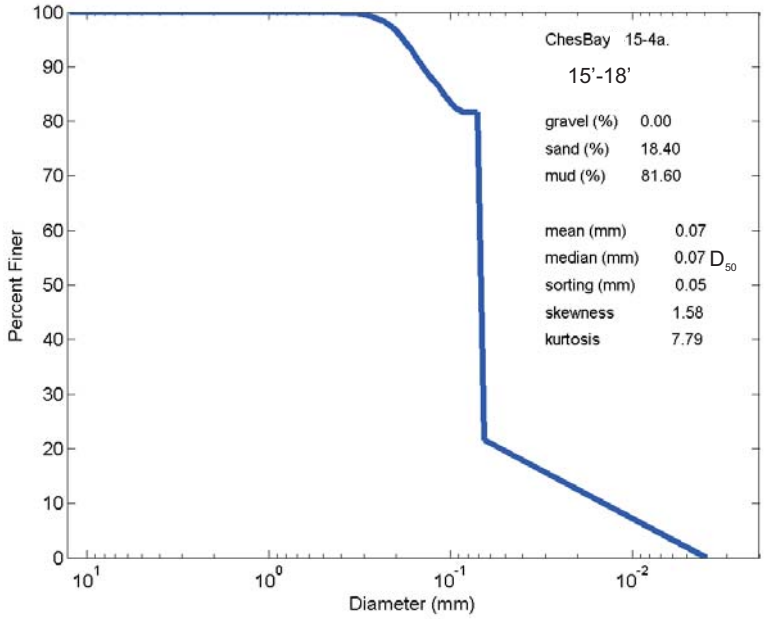

ChesBay 14-2a.
5'-9.7'
gravel (%) 1.01
sand (%) 89.76
mud (%) 9.23
mean (mm) 0.41
median (mm) 0.28 D_{50}
sorting (mm) 0.86
skewness 8.92
kurtosis 85.03
Percent Finer
Diameter (mm)

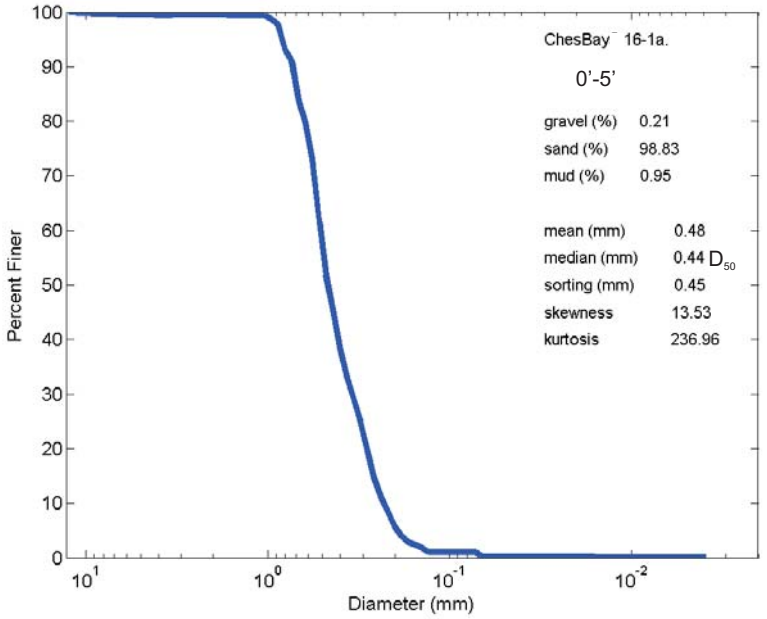

ChesBay 15-1a.
0'-5'
gravel (%) 1.16
sand (%) 98.55
mud (%) 0.29
mean (mm) 0.62
median (mm) 0.48 D_{50}
sorting (mm) 0.91
skewness 8.06
kurtosis 70.65
Percent Finer
Diameter (mm)

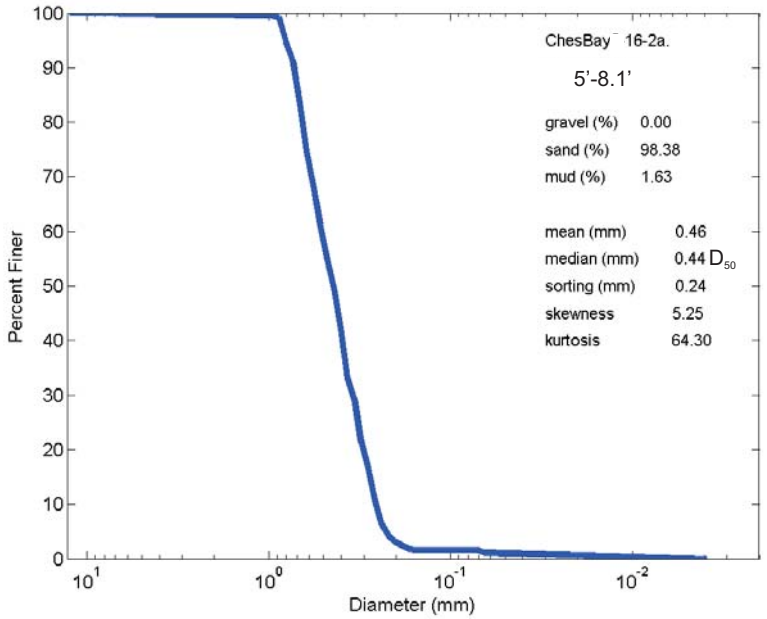

ChesBay 15-2a.
5'-7.4'
gravel (%) 1.63
sand (%) 96.78
mud (%) 1.59
mean (mm) 0.63
median (mm) 0.40 D_{50}
sorting (mm) 1.08
skewness 6.69
kurtosis 49.47
Percent Finer
Diameter (mm)

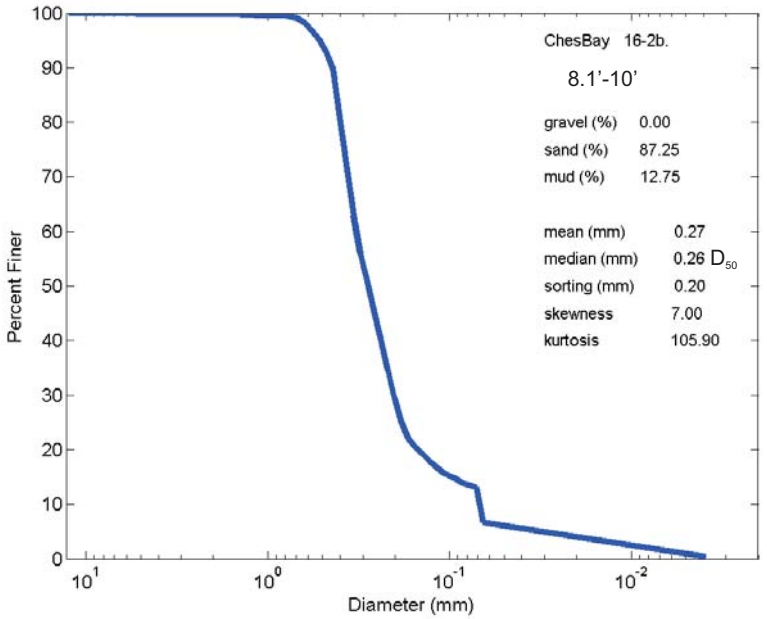

ChesBay 15-2b.
7.4'-10'
gravel (%) 0.00
sand (%) 9.45
mud (%) 90.55
mean (mm) 0.05
median (mm) 0.00 D50
sorting (mm) 0.07
skewness 4.37
kurtosis 32.92
Percent Finer
Diameter (mm)

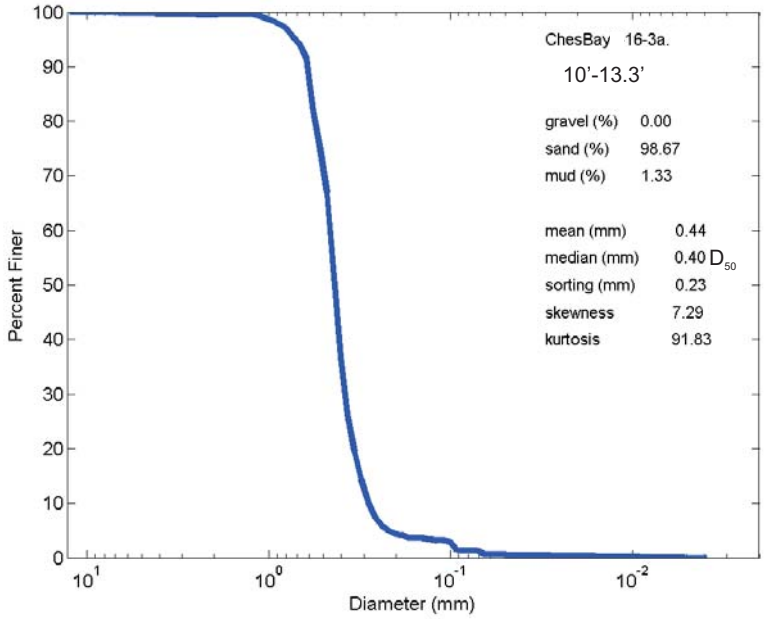

ChesBay 15-3a.
10'-15'
gravel (%) 0.41
sand (%) 52.22
mud (%) 47.37
mean (mm) 0.14
median (mm) 0.07 D50
sorting (mm) 0.56
skewness 14.41
kurtosis 216.89
Percent Finer
Diameter (mm)

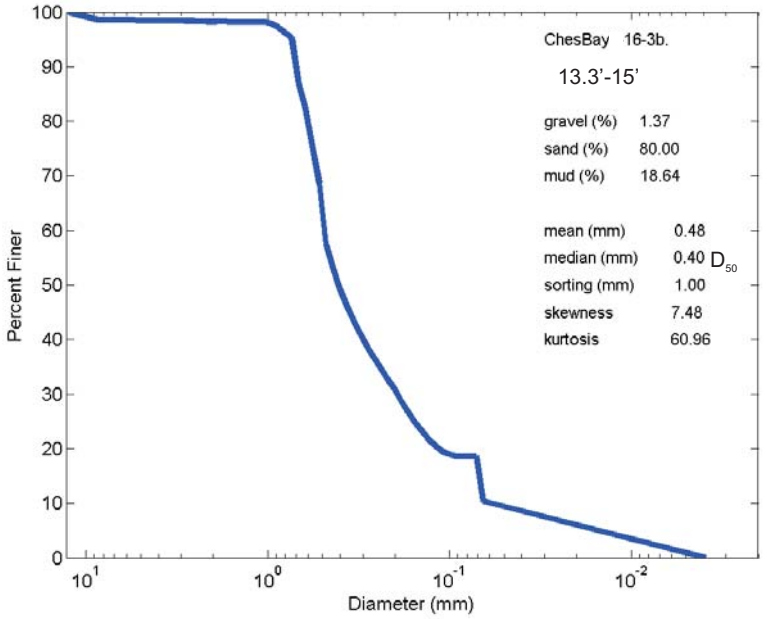

ChesBay 15-4a.
15'-18'
gravel (%) 0.00
sand (%) 18.40
mud (%) 81.60
mean (mm) 0.07
median (mm) 0.07 D50
sorting (mm) 0.05
skewness 1.58
kurtosis 7.79
Percent Finer
Diameter (mm)

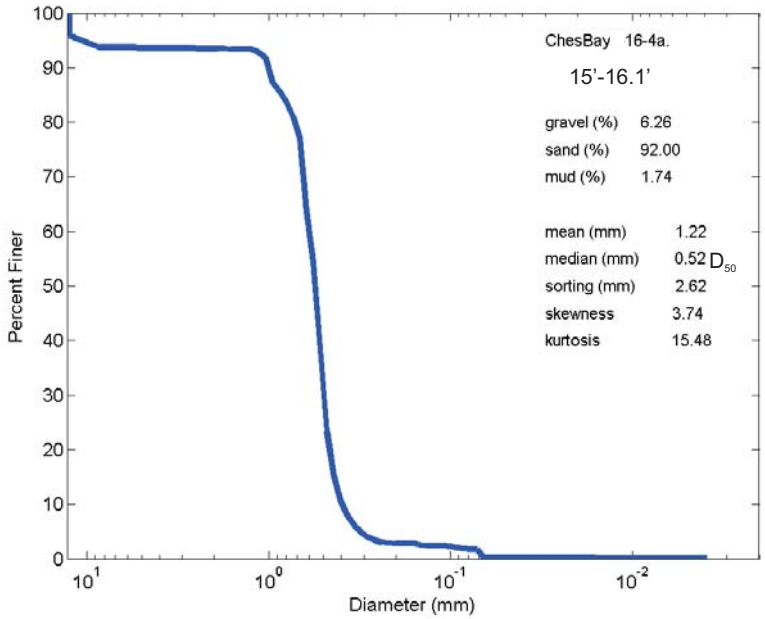

ChesBay 16-1a.
0'-5'
gravel (%) 0.21
sand (%) 98.83
mud (%) 0.95
mean (mm) 0.48
median (mm) 0.44 D50
sorting (mm) 0.45
skewness 13.53
kurtosis 236.96
Percent Finer
Diameter (mm)

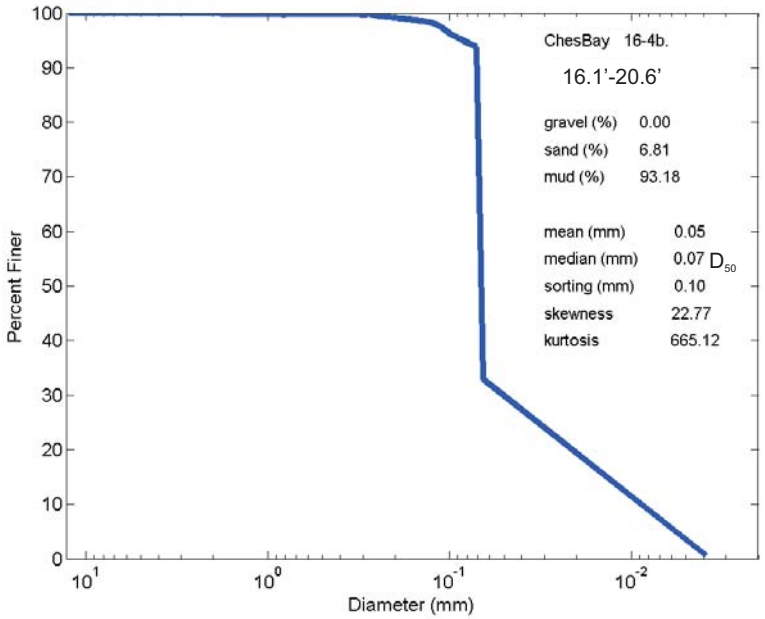

ChesBay 16-2a.
5'-8.1'
gravel (%) 0.00
sand (%) 98.38
mud (%) 1.63
mean (mm) 0.46
median (mm) 0.44 D50
sorting (mm) 0.24
skewness 5.25
kurtosis 64.30
Percent Finer
Diameter (mm)

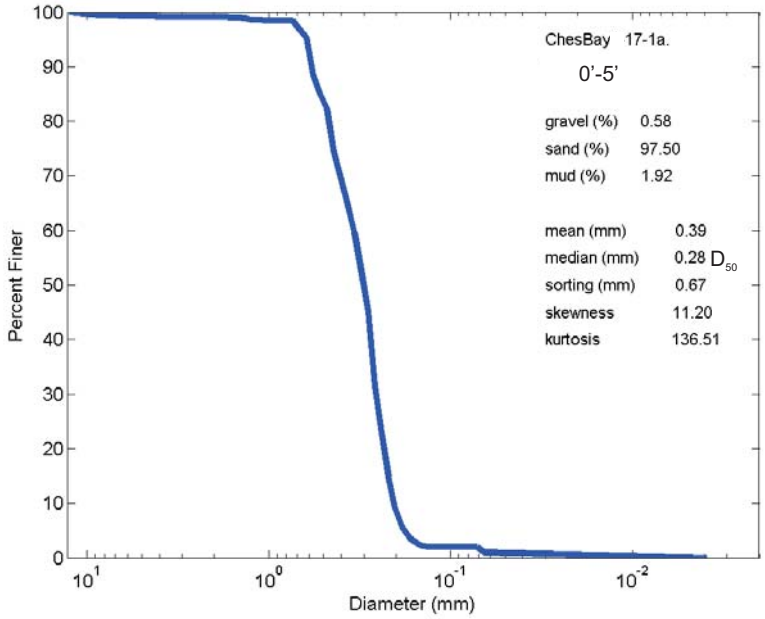

ChesBay 16-2b.
8.1'-10'
gravel (%) 0.00
sand (%) 87.25
mud (%) 12.75
mean (mm) 0.27
median (mm) 0.26 D50
sorting (mm) 0.20
skewness 7.00
kurtosis 105.90
Percent Finer
Diameter (mm)

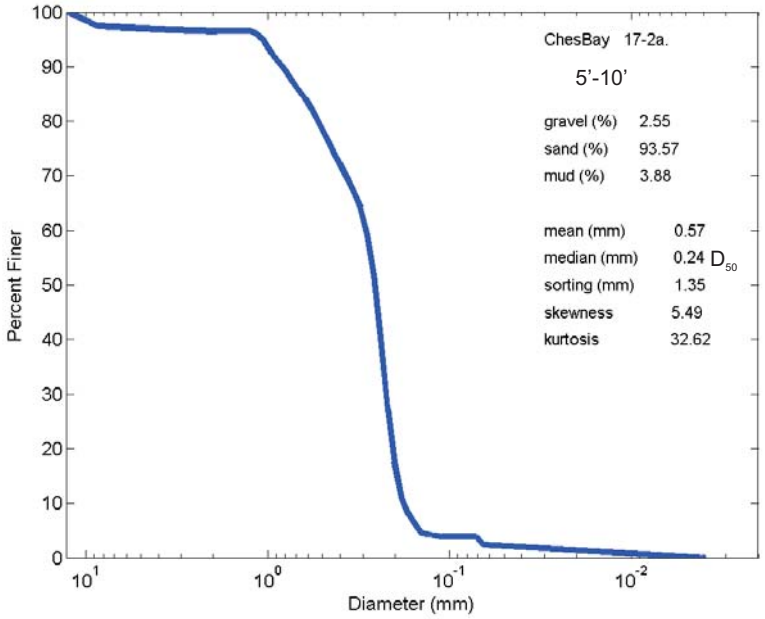

ChesBay 16-3a.
10'-13.3'
gravel (%) 0.00
sand (%) 98.67
mud (%) 1.33
mean (mm) 0.44
median (mm) 0.40 D50
sorting (mm) 0.23
skewness 7.29
kurtosis 91.83
Percent Finer
Diameter (mm)

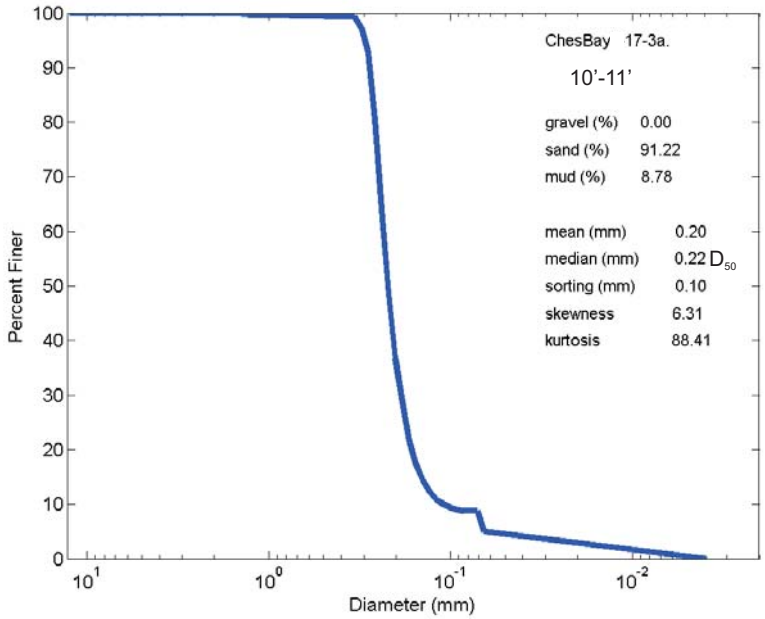

ChesBay 16-3b.
13.3'-15'
gravel (%) 1.37
sand (%) 80.00
mud (%) 18.64
mean (mm) 0.48
median (mm) 0.40 D50
sorting (mm) 1.00
skewness 7.48
kurtosis 60.96
Percent Finer
Diameter (mm)

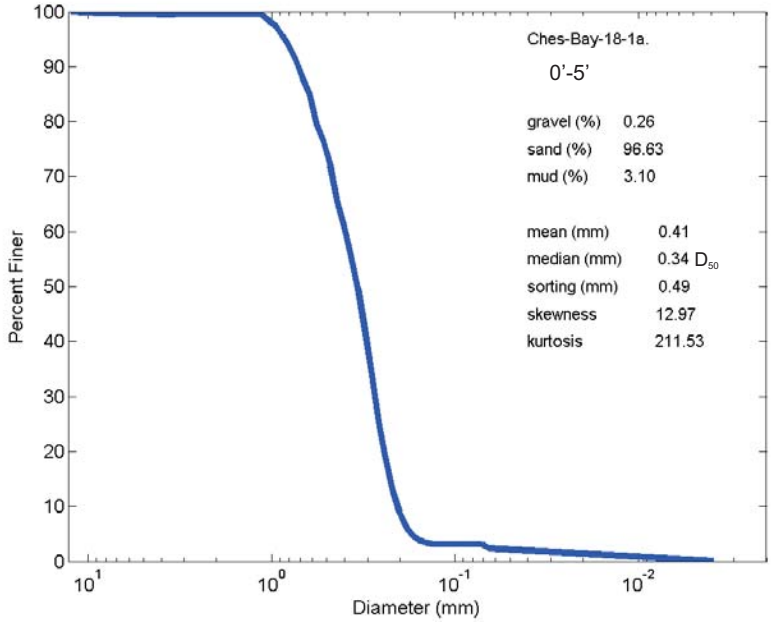

ChesBay 16-4a.
15'-16.1'
gravel (%) 6.26
sand (%) 92.00
mud (%) 1.74
mean (mm) 1.22
median (mm) 0.52 D50
sorting (mm) 2.62
skewness 3.74
kurtosis 15.48
Percent Finer
Diameter (mm)

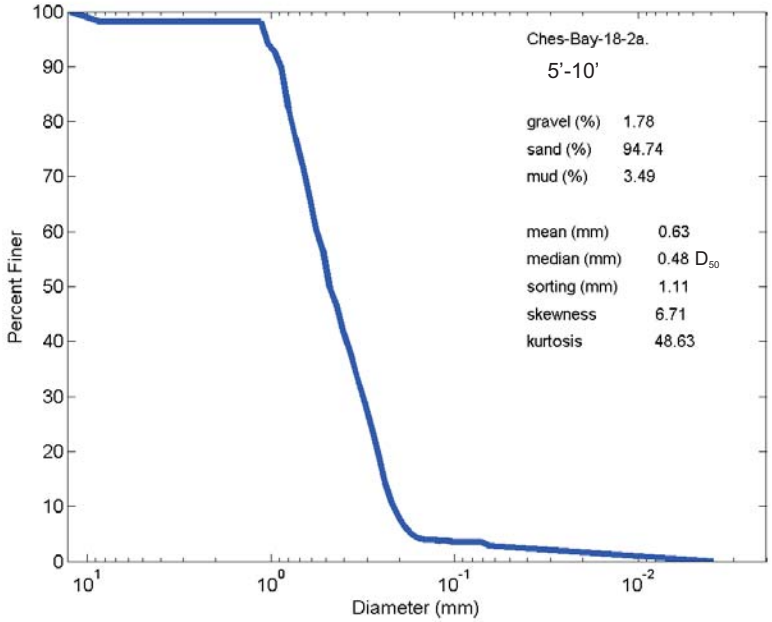

ChesBay 16-4b.
16.1'-20.6'
gravel (%) 0.00
sand (%) 6.81
mud (%) 93.18
mean (mm) 0.05
median (mm) 0.07 D50
sorting (mm) 0.10
skewness 22.77
kurtosis 665.12
Percent Finer
Diameter (mm)

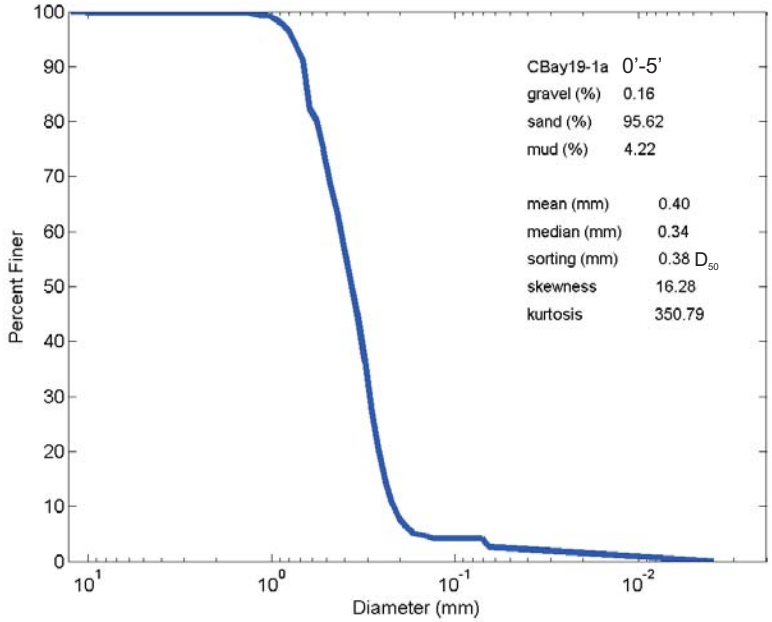

ChesBay 17-1a.
0'-5'
gravel (%) 0.58
sand (%) 97.50
mud (%) 1.92
mean (mm) 0.39
median (mm) 0.28 D50
sorting (mm) 0.67
skewness 11.20
kurtosis 136.51
Percent Finer
Diameter (mm)

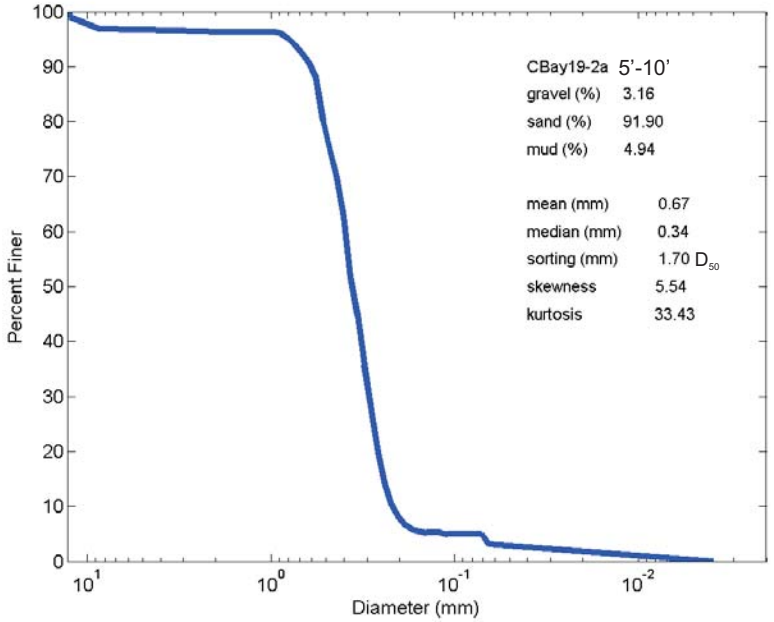

ChesBay 17-2a.
5'-10'
gravel (%) 2.55
sand (%) 93.57
mud (%) 3.88
mean (mm) 0.57
median (mm) 0.24 D50
sorting (mm) 1.35
skewness 5.49
kurtosis 32.62
Percent Finer
Diameter (mm)

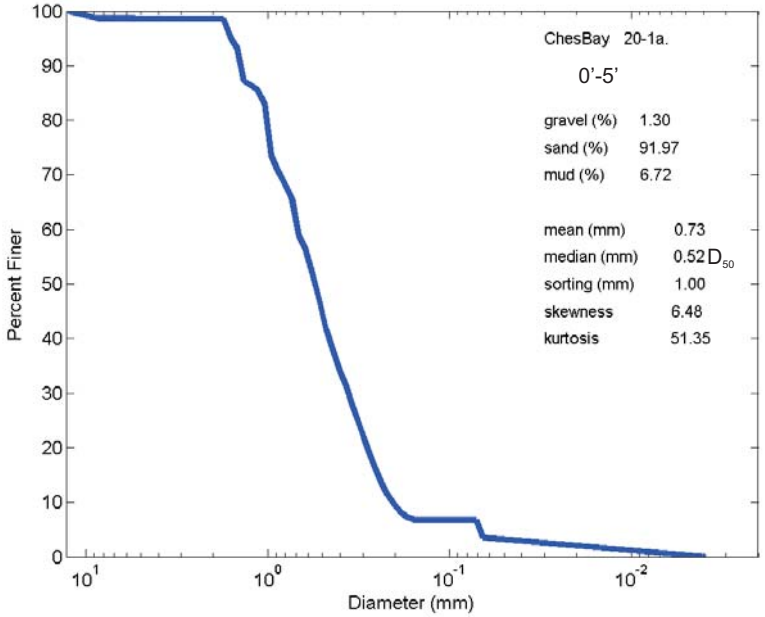

ChesBay 17-3a.
10'-11'
gravel (%) 0.00
sand (%) 91.22
mud (%) 8.78
mean (mm) 0.20
median (mm) 0.22 D_{50}
sorting (mm) 0.10
skewness 6.31
kurtosis 88.41
Percent Finer
Diameter (mm)

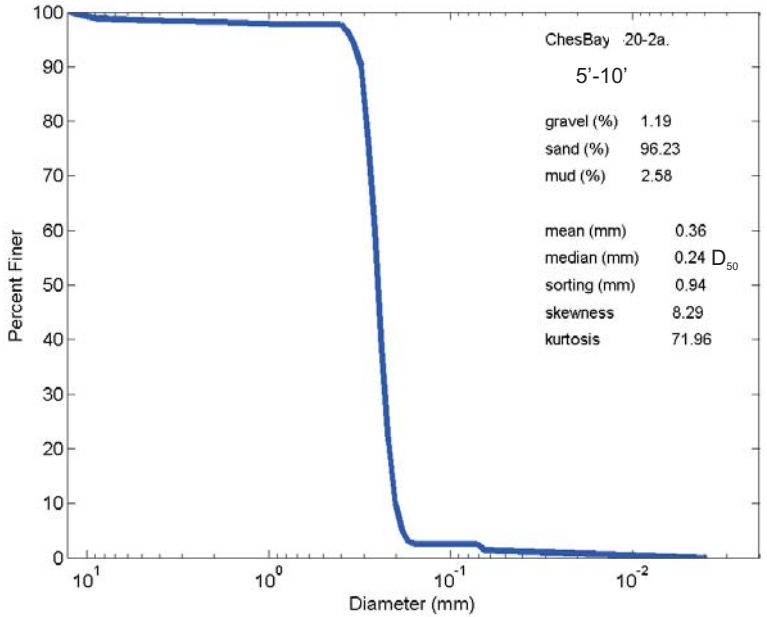

Ches-Bay-18-1a.
0'-5'
gravel (%) 0.26
sand (%) 96.63
mud (%) 3.10
mean (mm) 0.41
median (mm) 0.34 D_{50}
sorting (mm) 0.49
skewness 12.97
kurtosis 211.53
Percent Finer
Diameter (mm)

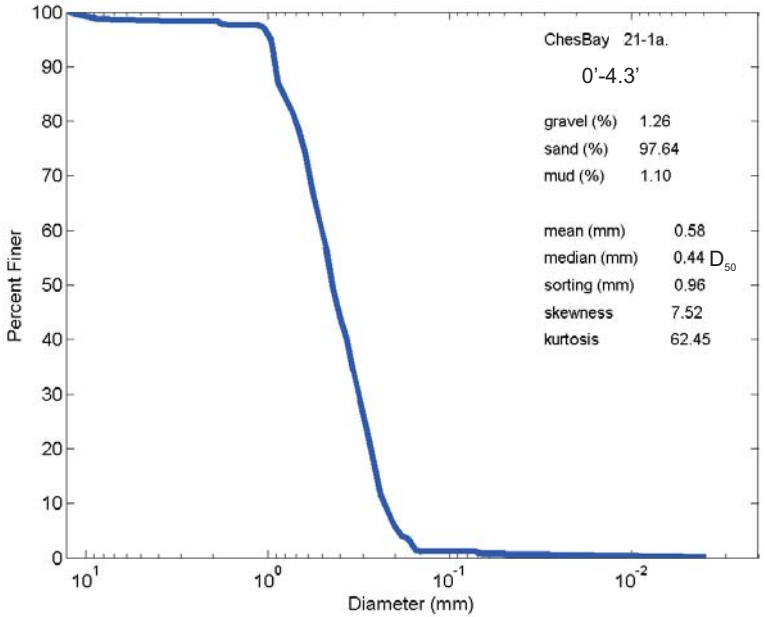

Ches-Bay-18-2a.
5'-10'
gravel (%) 1.78
sand (%) 94.74
mud (%) 3.49
mean (mm) 0.63
median (mm) 0.48 D_{50}
sorting (mm) 1.11
skewness 6.71
kurtosis 48.63
Percent Finer
Diameter (mm)

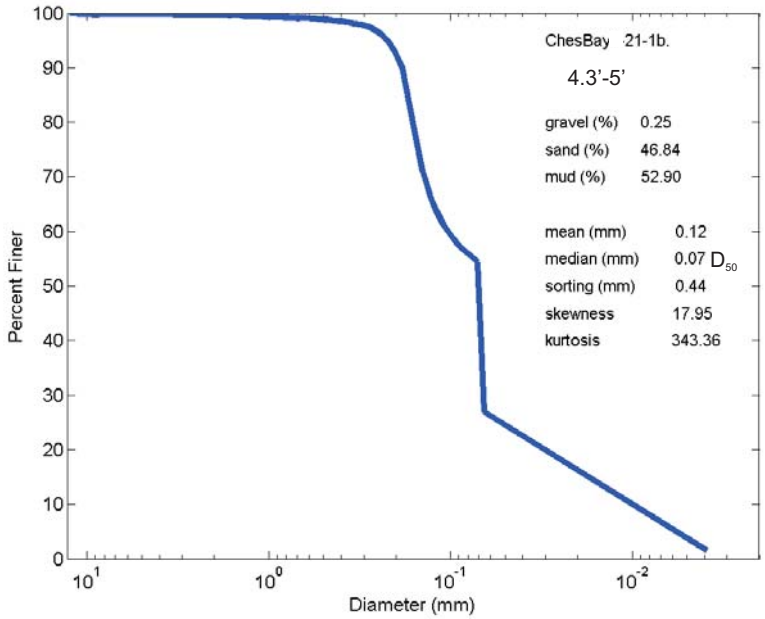

CBay19-1a 0'-5'
gravel (%) 0.16
sand (%) 95.62
mud (%) 4.22
mean (mm) 0.40
median (mm) 0.34
sorting (mm) 0.38 D_{50}
skewness 16.28
kurtosis 350.79
Percent Finer
Diameter (mm)

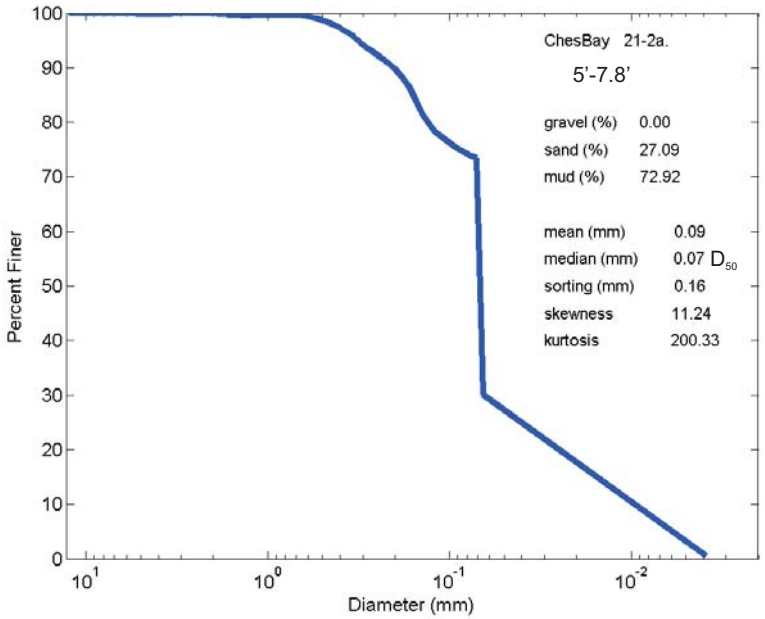

CBay19-2a 5'-10'
gravel (%) 3.16
sand (%) 91.90
mud (%) 4.94
mean (mm) 0.67
median (mm) 0.34
sorting (mm) 1.70 D_{50}
skewness 5.54
kurtosis 33.43
Percent Finer
Diameter (mm)

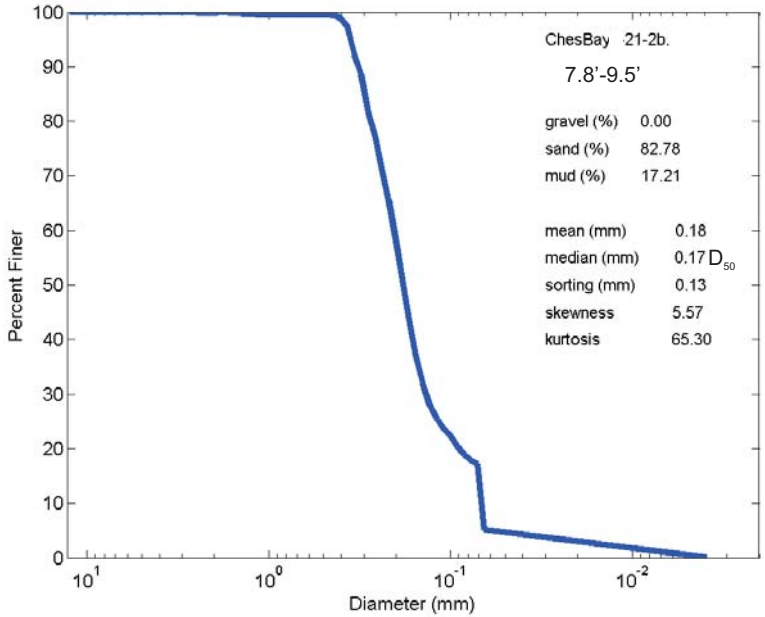

ChesBay 20-1a.
0'-5'
gravel (%) 1.30
sand (%) 91.97
mud (%) 6.72
mean (mm) 0.73
median (mm) 0.52 D_{50}
sorting (mm) 1.00
skewness 6.48
kurtosis 51.35
Percent Finer
Diameter (mm)

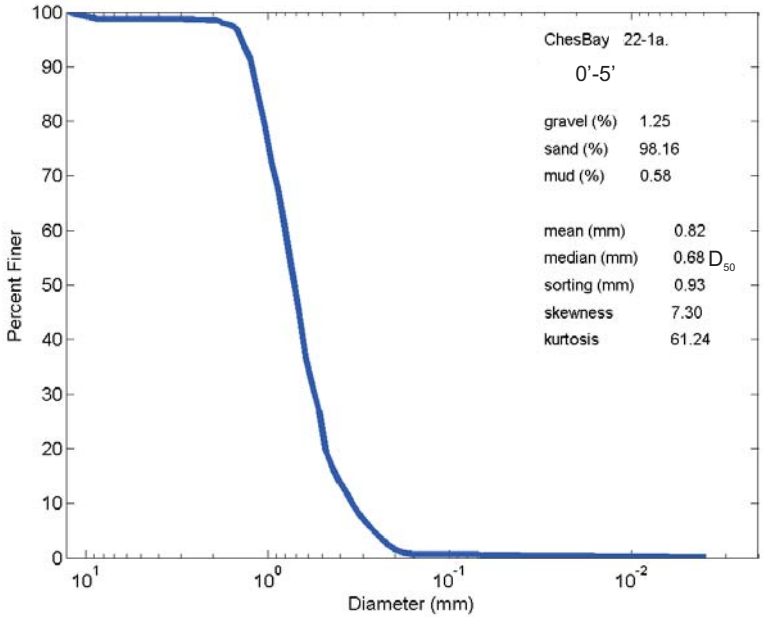

ChesBay 20-2a.
5'-10'
gravel (%) 1.19
sand (%) 96.23
mud (%) 2.58
mean (mm) 0.36
median (mm) 0.24 D_{50}
sorting (mm) 0.94
skewness 8.29
kurtosis 71.96
Percent Finer
Diameter (mm)

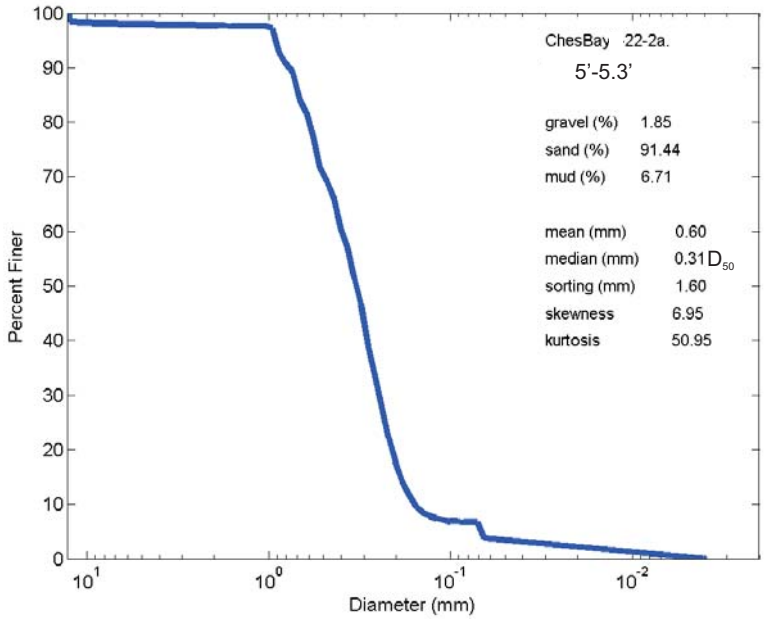

ChesBay 21-1a.
0'-4.3'
gravel (%) 1.26
sand (%) 97.64
mud (%) 1.10
mean (mm) 0.58
median (mm) 0.44 D_{50}
sorting (mm) 0.96
skewness 7.52
kurtosis 62.45
Percent Finer
Diameter (mm)

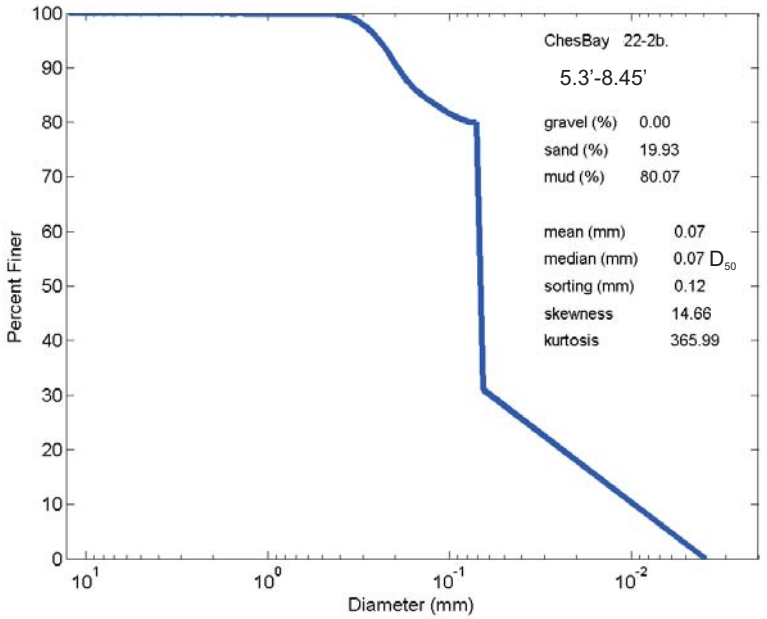

ChesBay 21-1b.
4.3'-5'
gravel (%) 0.25
sand (%) 46.84
mud (%) 52.90
mean (mm) 0.12
median (mm) 0.07 D_{50}
sorting (mm) 0.44
skewness 17.95
kurtosis 343.36
Percent Finer
Diameter (mm)

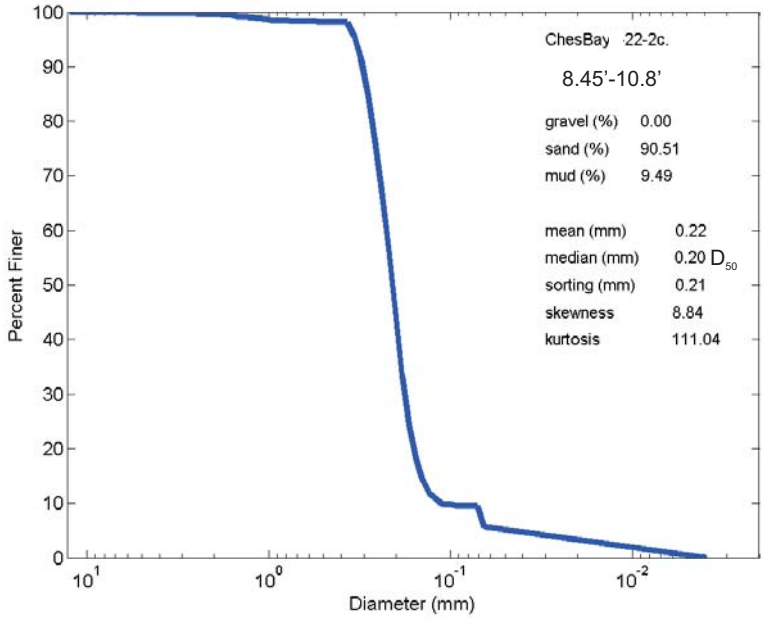

ChesBay 21-2a.
5'-7.8'
gravel (%) 0.00
sand (%) 27.09
mud (%) 72.92
mean (mm) 0.09
median (mm) 0.07 D_{50}
sorting (mm) 0.16
skewness 11.24
kurtosis 200.33
Percent Finer
Diameter (mm)

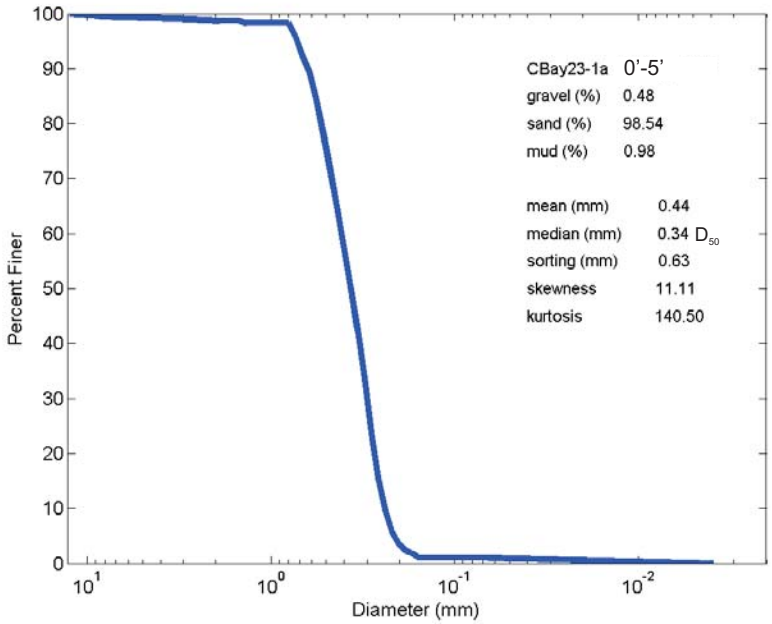

ChesBay 21-2b.
7.8'-9.5'
gravel (%) 0.00
sand (%) 82.78
mud (%) 17.21
mean (mm) 0.18
median (mm) 0.17 D_{50}
sorting (mm) 0.13
skewness 5.57
kurtosis 65.30
Percent Finer
Diameter (mm)

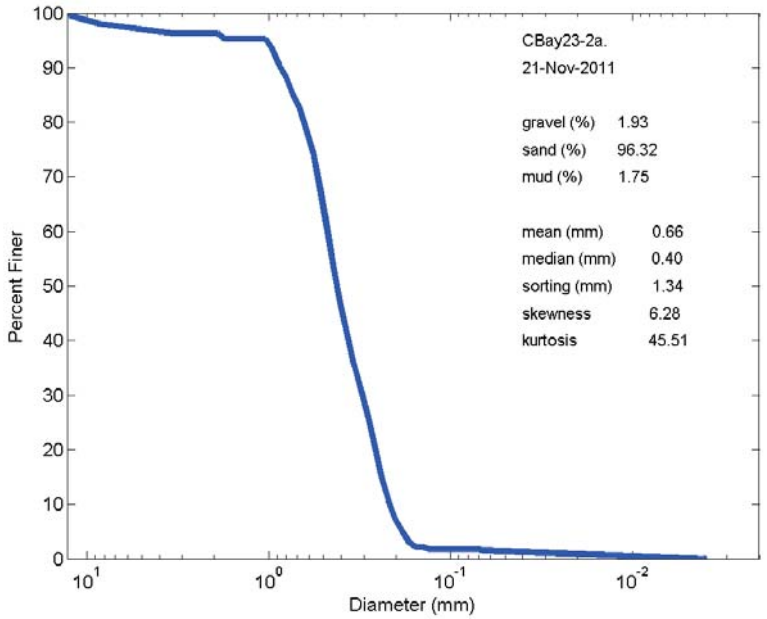

ChesBay 22-1a.
0'-5'
gravel (%) 1.25
sand (%) 98.16
mud (%) 0.58
mean (mm) 0.82
median (mm) 0.68 D_{50}
sorting (mm) 0.93
skewness 7.30
kurtosis 61.24
Percent Finer
Diameter (mm)

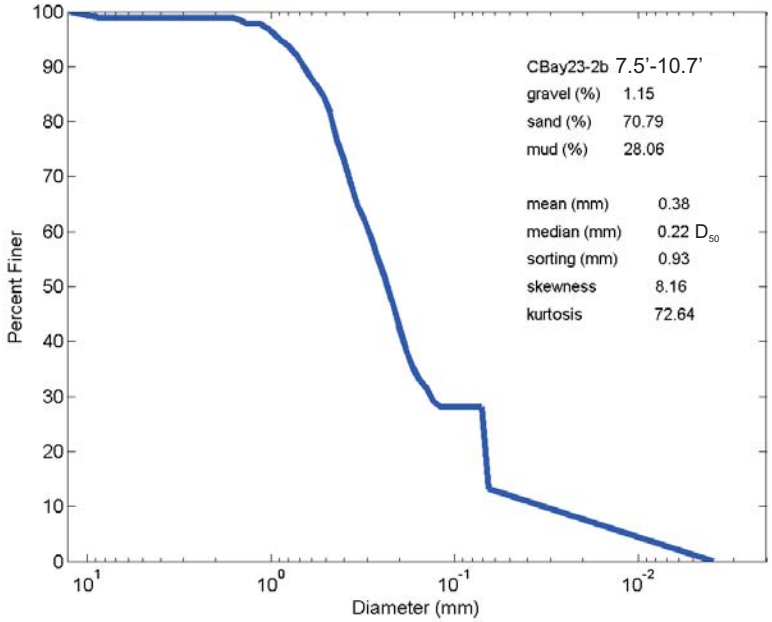

ChesBay 22-2a.
5'-5.3'
gravel (%) 1.85
sand (%) 91.44
mud (%) 6.71
mean (mm) 0.60
median (mm) 0.31 D50
sorting (mm) 1.60
skewness 6.95
kurtosis 50.95
Percent Finer
Diameter (mm)

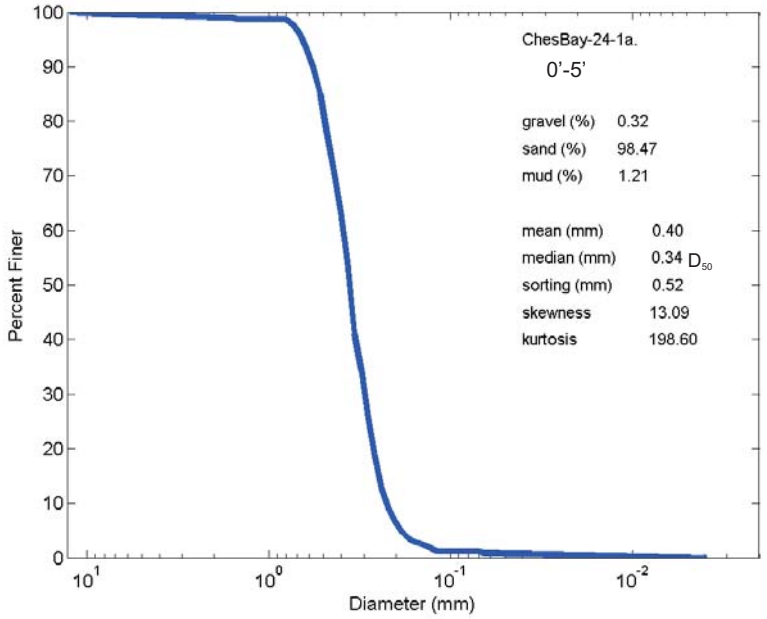

ChesBay 22-2b.
5.3'-8.45'
gravel (%) 0.00
sand (%) 19.93
mud (%) 80.07
mean (mm) 0.07
median (mm) 0.07 D50
sorting (mm) 0.12
skewness 14.66
kurtosis 365.99
Percent Finer
Diameter (mm)

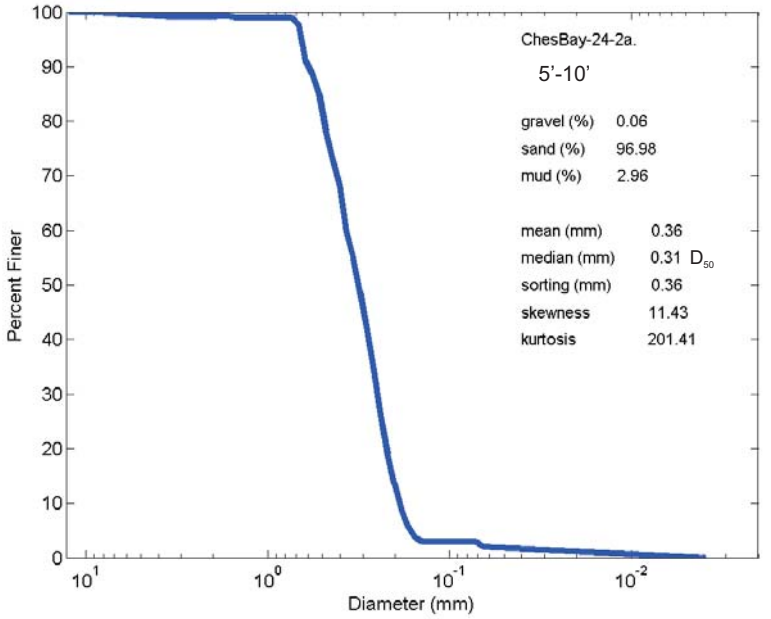

ChesBay 22-2c.
8.45'-10.8'
gravel (%) 0.00
sand (%) 90.51
mud (%) 9.49
mean (mm) 0.22
median (mm) 0.20 D50
sorting (mm) 0.21
skewness 8.84
kurtosis 111.04
Percent Finer
Diameter (mm)

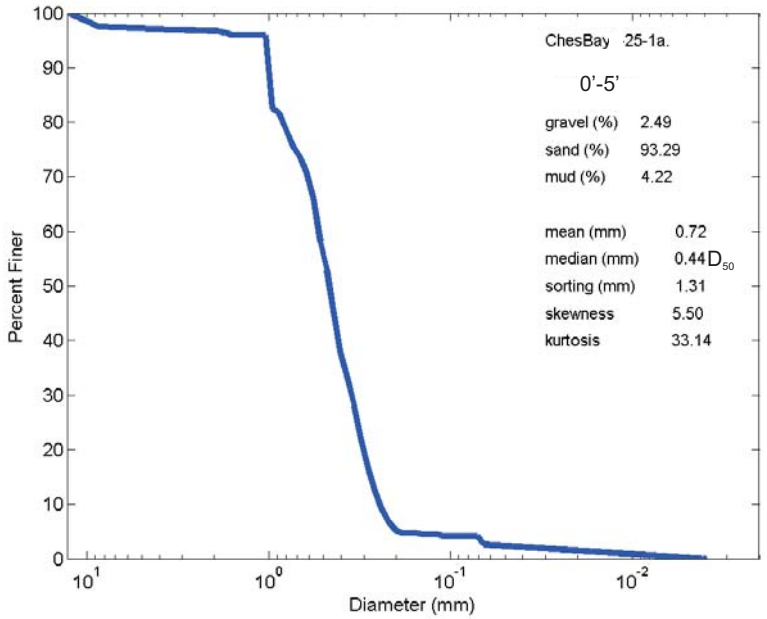

CBay23-1a 0'-5'
gravel (%) 0.48
sand (%) 98.54
mud (%) 0.98
mean (mm) 0.44
median (mm) 0.34 D50
sorting (mm) 0.63
skewness 11.11
kurtosis 140.50
Percent Finer
Diameter (mm)

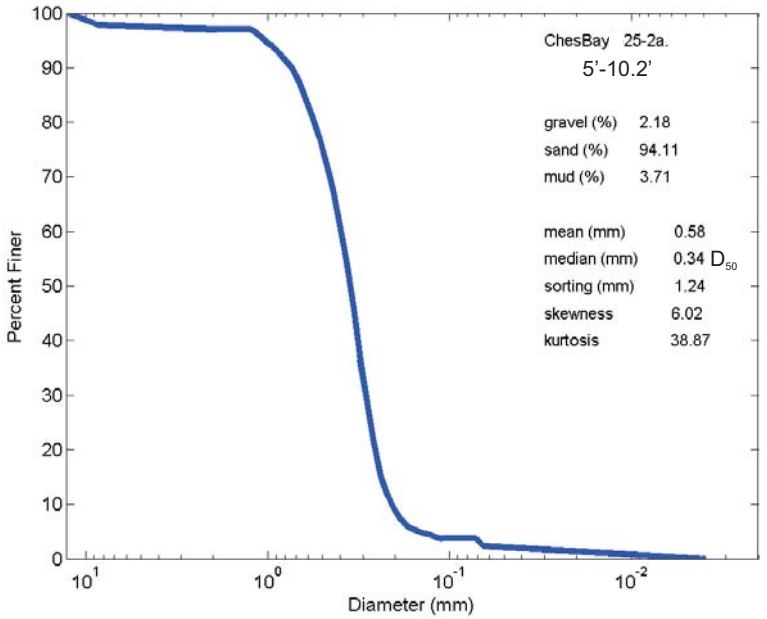

CBay23-2a.
21-Nov-2011
gravel (%) 1.93
sand (%) 96.32
mud (%) 1.75
mean (mm) 0.66
median (mm) 0.40
sorting (mm) 1.34
skewness 6.28
kurtosis 45.51
Percent Finer
Diameter (mm)

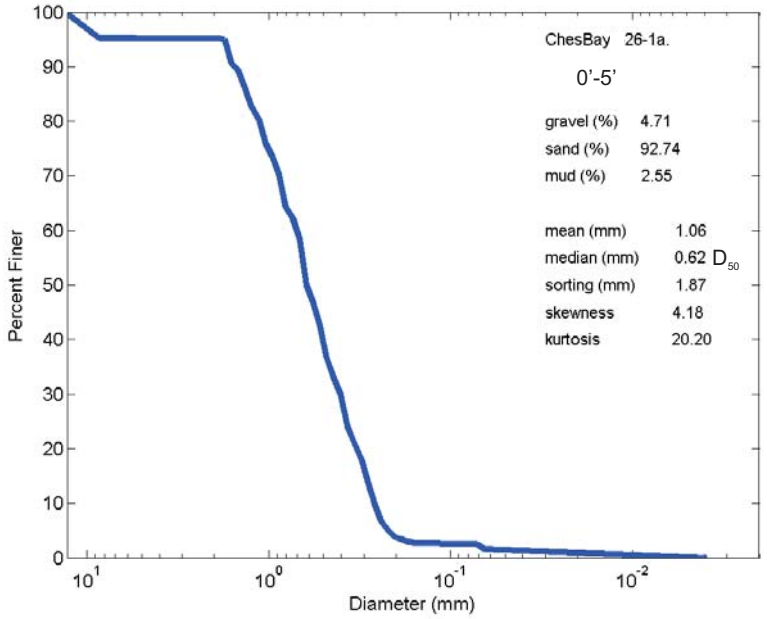

CBay23-2b 7.5'-10.7'
gravel (%) 1.15
sand (%) 70.79
mud (%) 28.06
mean (mm) 0.38
median (mm) 0.22 D50
sorting (mm) 0.93
skewness 8.16
kurtosis 72.64
Percent Finer
Diameter (mm)

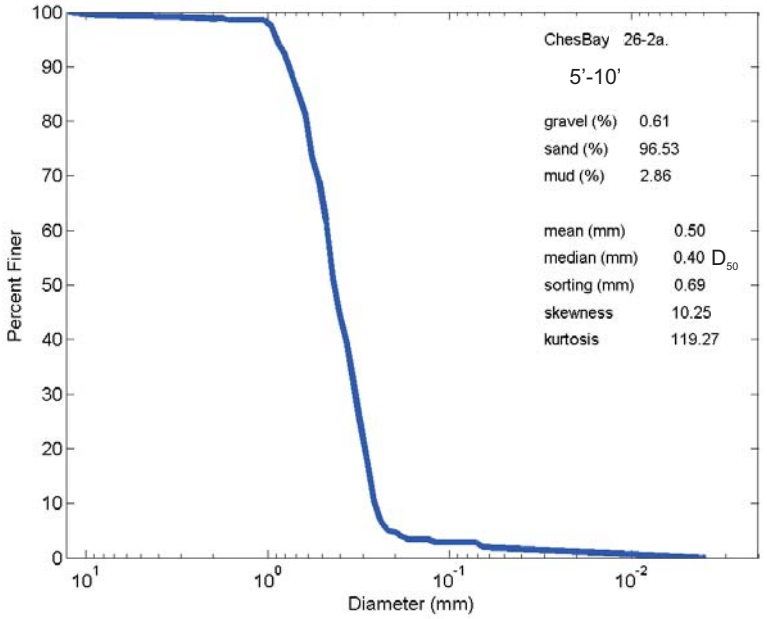

ChesBay-24-1a.
0'-5'
gravel (%) 0.32
sand (%) 98.47
mud (%) 1.21
mean (mm) 0.40
median (mm) 0.34 D50
sorting (mm) 0.52
skewness 13.09
kurtosis 198.60
Percent Finer
Diameter (mm)

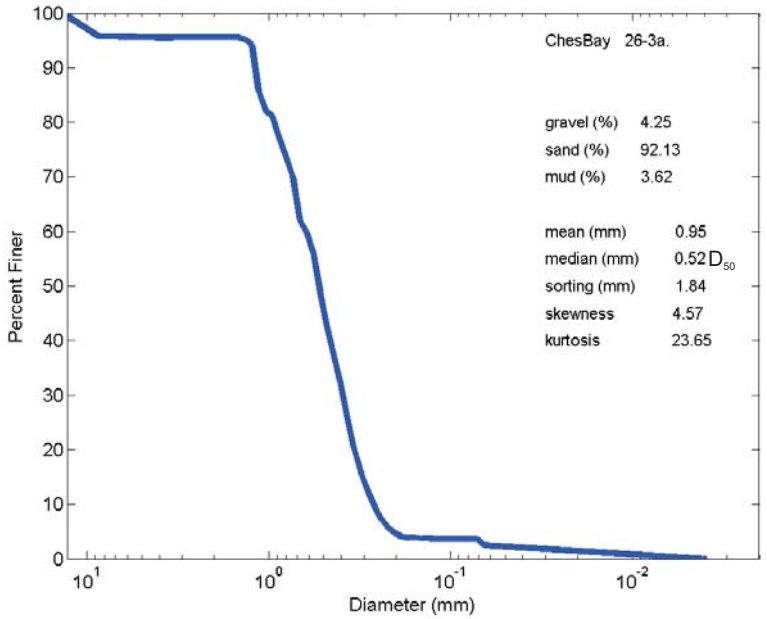

ChesBay-24-2a.
5'-10'
gravel (%) 0.06
sand (%) 96.98
mud (%) 2.96
mean (mm) 0.36
median (mm) 0.31 D50
sorting (mm) 0.36
skewness 11.43
kurtosis 201.41
Percent Finer
Diameter (mm)

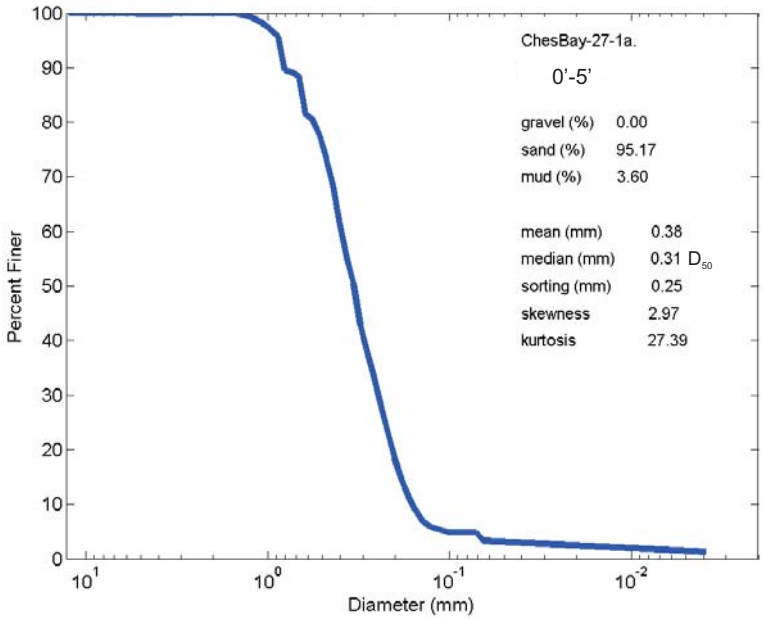

ChesBay 25-1a.
0'-5'
gravel (%) 2.49
sand (%) 93.29
mud (%) 4.22
mean (mm) 0.72
median (mm) 0.44 D50
sorting (mm) 1.31
skewness 5.50
kurtosis 33.14
Percent Finer
Diameter (mm)

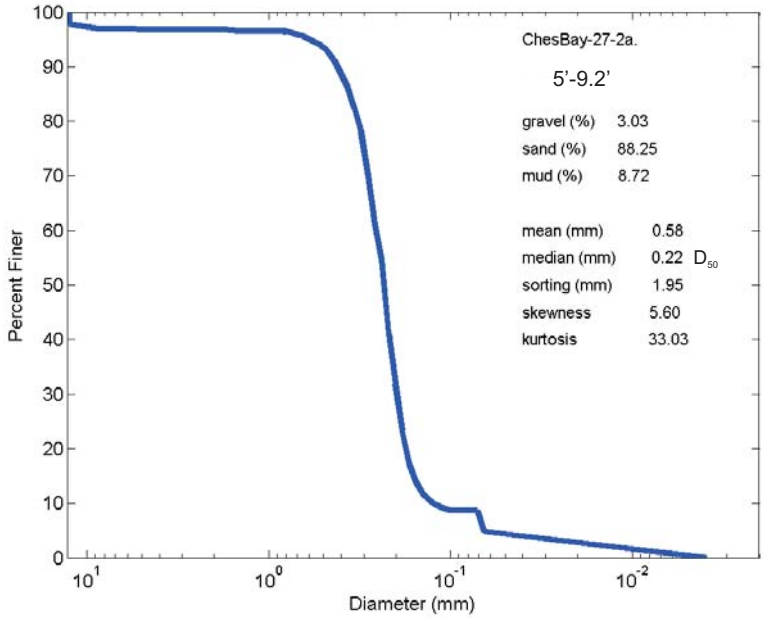

ChesBay 25-2a.
5'-10.2'
gravel (%) 2.18
sand (%) 94.11
mud (%) 3.71
mean (mm) 0.58
median (mm) 0.34 D50
sorting (mm) 1.24
skewness 6.02
kurtosis 38.87
Percent Finer
Diameter (mm)

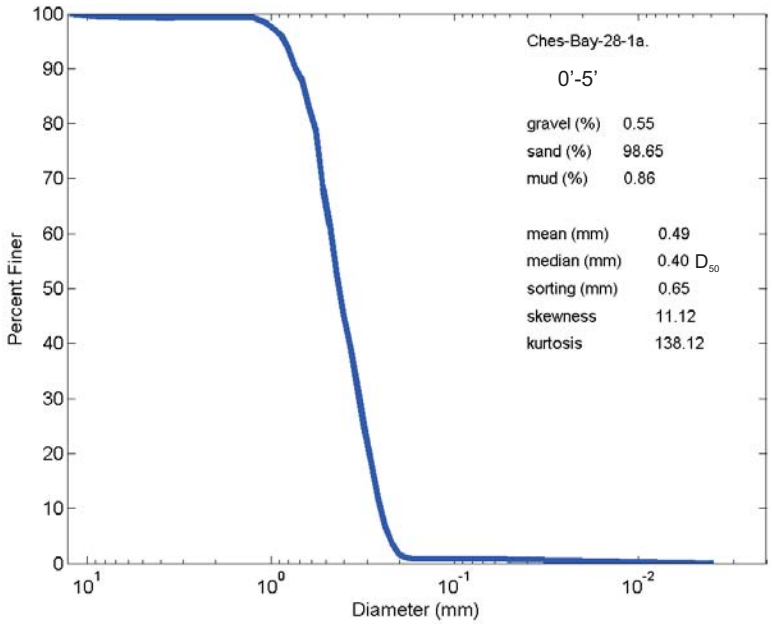

ChesBay 26-1a.
0'-5'
gravel (%) 4.71
sand (%) 92.74
mud (%) 2.55
mean (mm) 1.06
median (mm) 0.62 D50
sorting (mm) 1.87
skewness 4.18
kurtosis 20.20
Percent Finer
Diameter (mm)

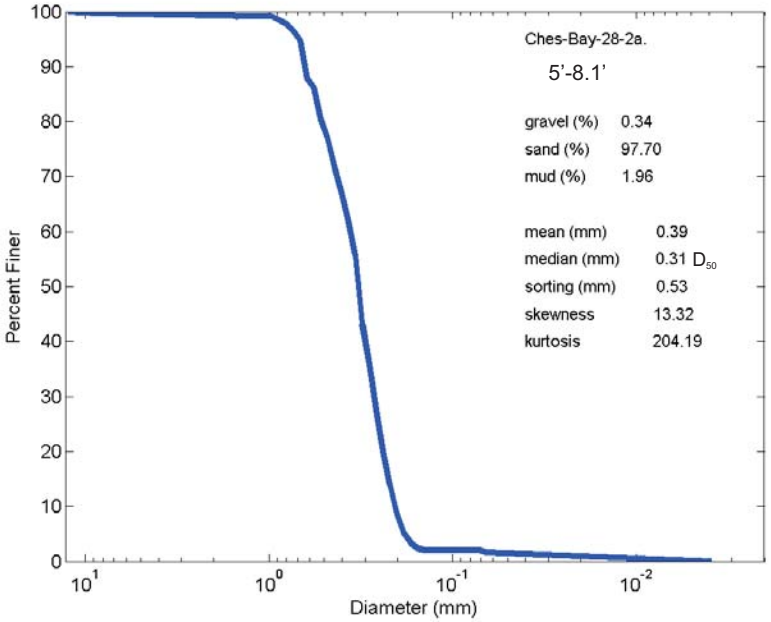

ChesBay 26-2a.
5'-10'
gravel (%) 0.61
sand (%) 96.53
mud (%) 2.86
mean (mm) 0.50
median (mm) 0.40 D50
sorting (mm) 0.69
skewness 10.25
kurtosis 119.27
Percent Finer
Diameter (mm)

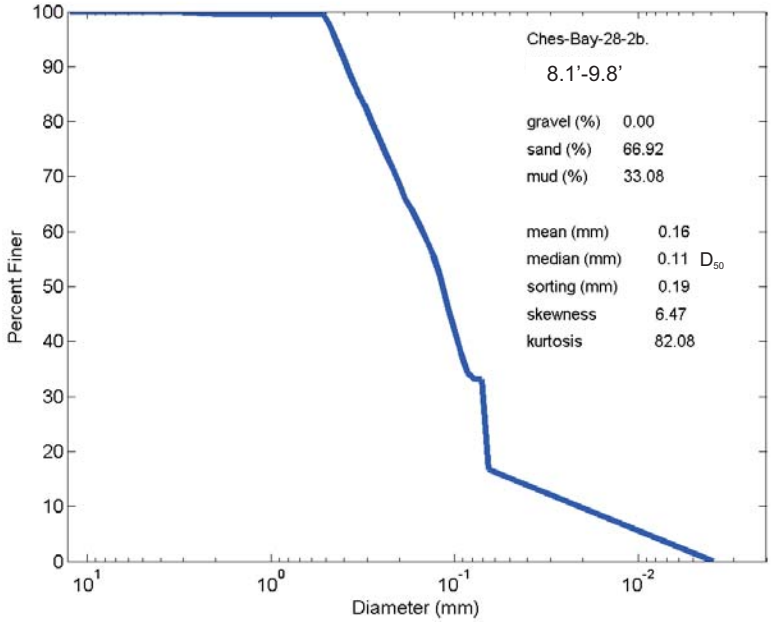

ChesBay 26-3a.
gravel (%) 4.25
sand (%) 92.13
mud (%) 3.62
mean (mm) 0.95
median (mm) 0.52 D50
sorting (mm) 1.84
skewness 4.57
kurtosis 23.65
Percent Finer
Diameter (mm)

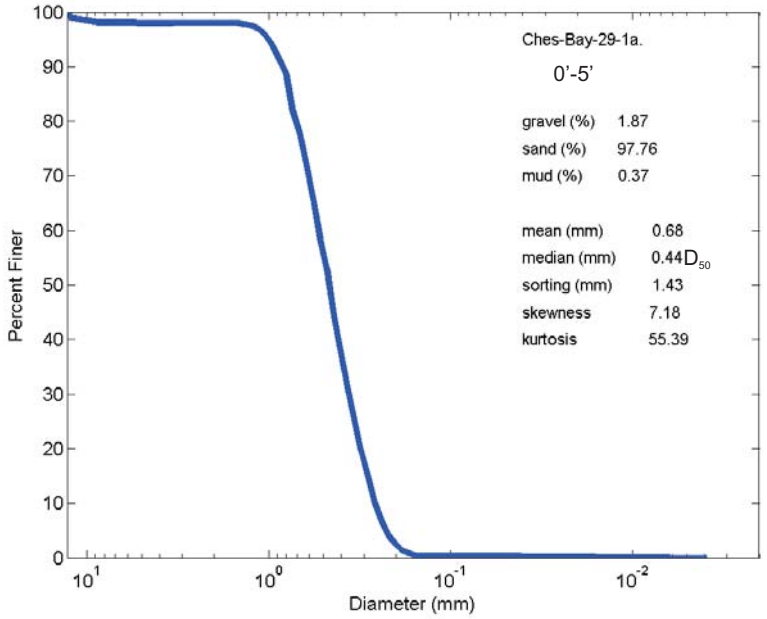

ChesBay-27-1a.
0'-5'
gravel (%) 0.00
sand (%) 95.17
mud (%) 3.60
mean (mm) 0.38
median (mm) 0.31 D50
sorting (mm) 0.25
skewness 2.97
kurtosis 27.39
Percent Finer
Diameter (mm)

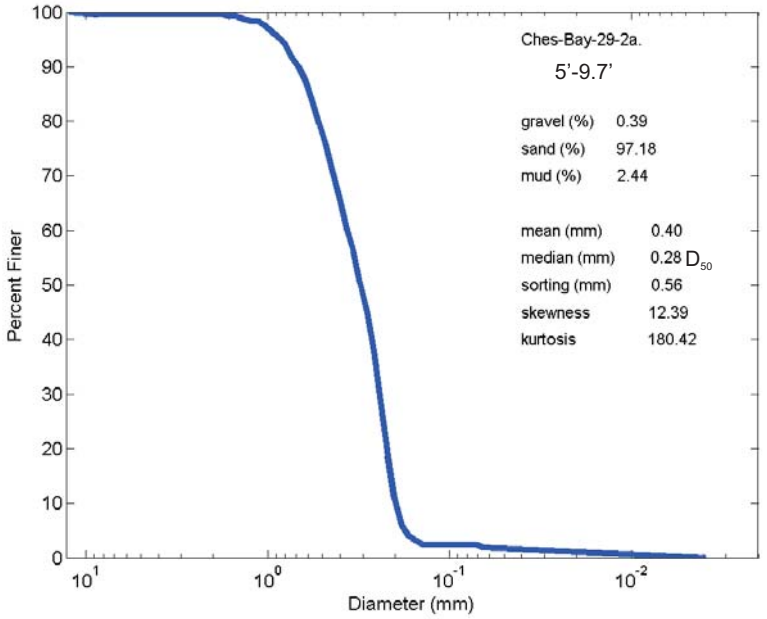

ChesBay-27-2a.
5'-9.2'
gravel (%) 3.03
sand (%) 88.25
mud (%) 8.72
mean (mm) 0.58
median (mm) 0.22 D50
sorting (mm) 1.95
skewness 5.60
kurtosis 33.03
Percent Finer
Diameter (mm)

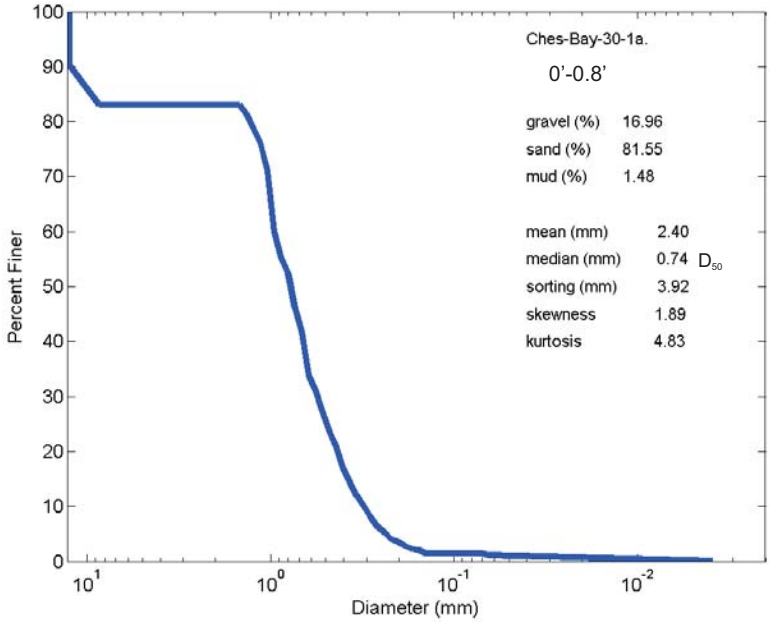

Ches-Bay-28-1a.
0'-5'
gravel (%) 0.55
sand (%) 98.65
mud (%) 0.86
mean (mm) 0.49
median (mm) 0.40 D50
sorting (mm) 0.65
skewness 11.12
kurtosis 138.12
Percent Finer
Diameter (mm)

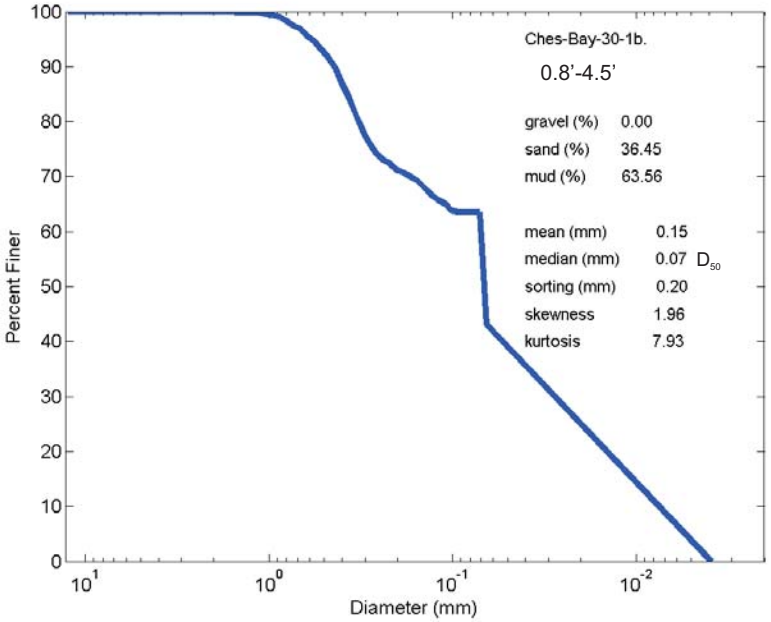

Ches-Bay-28-2a.
5'-8.1'
gravel (%) 0.34
sand (%) 97.70
mud (%) 1.96
mean (mm) 0.39
median (mm) 0.31 D50
sorting (mm) 0.53
skewness 13.32
kurtosis 204.19
Percent Finer
Diameter (mm)

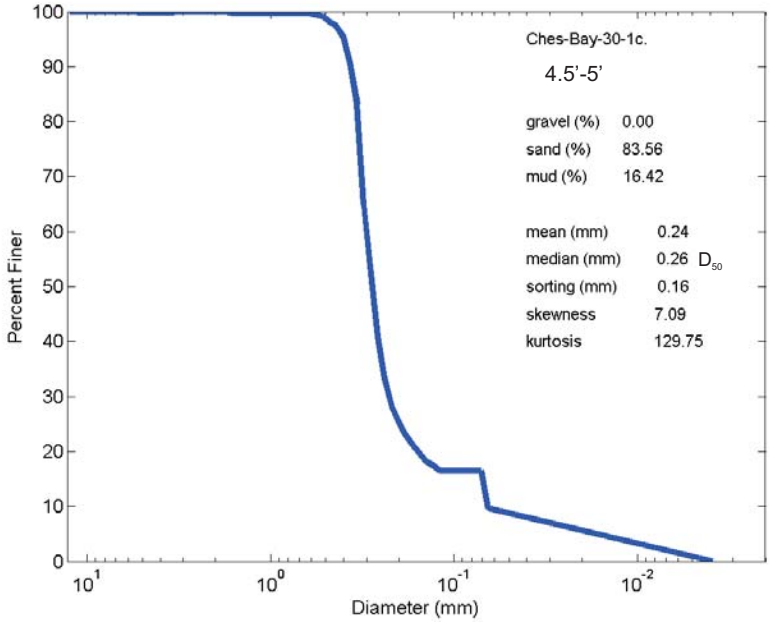

Ches-Bay-28-2b.
8.1'-9.8'
gravel (%) 0.00
sand (%) 66.92
mud (%) 33.08
mean (mm) 0.16
median (mm) 0.11 D50
sorting (mm) 0.19
skewness 6.47
kurtosis 82.08
Percent Finer
Diameter (mm)

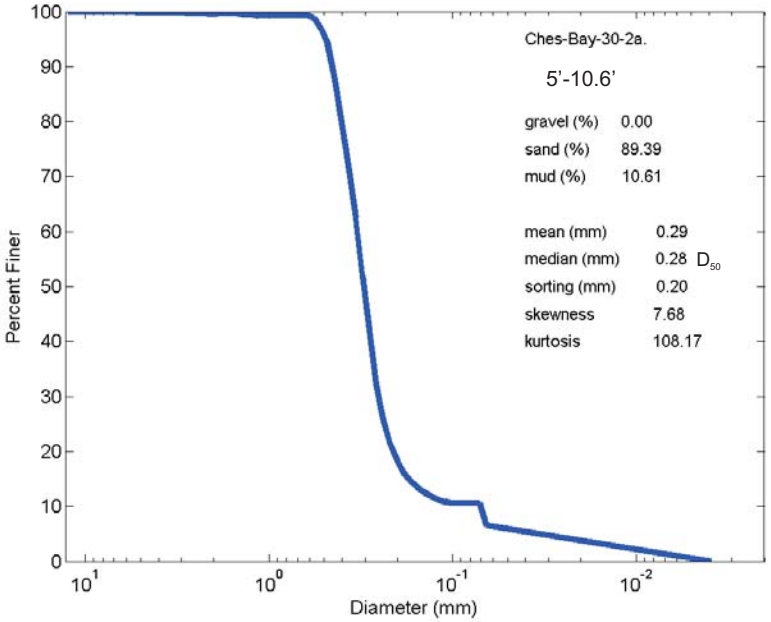

Ches-Bay-29-1a.
0'-5'
gravel (%) 1.87
sand (%) 97.76
mud (%) 0.37
mean (mm) 0.68
median (mm) 0.44D50
sorting (mm) 1.43
skewness 7.18
kurtosis 55.39
Percent Finer
Diameter (mm)

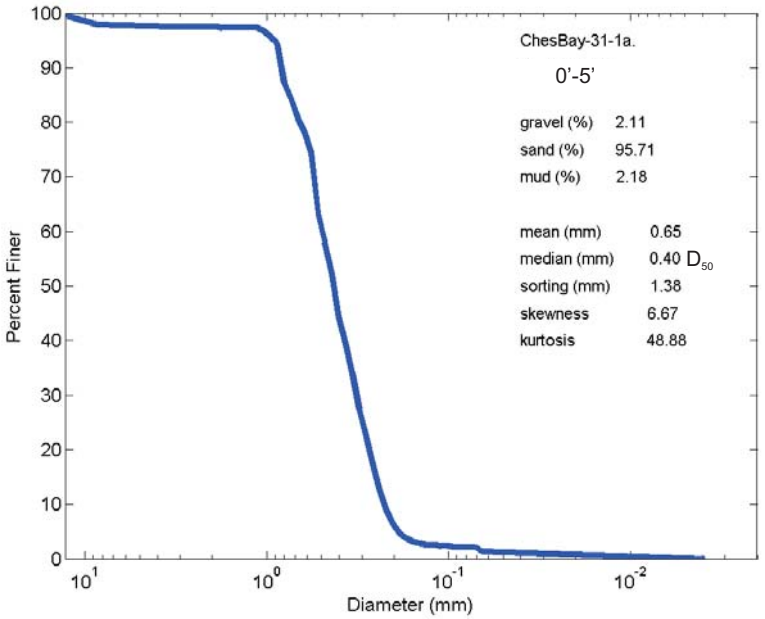

Ches-Bay-29-2a.
5'-9.7'
gravel (%) 0.39
sand (%) 97.18
mud (%) 2.44
mean (mm) 0.40
median (mm) 0.28 D50
sorting (mm) 0.56
skewness 12.39
kurtosis 180.42
Percent Finer
Diameter (mm)

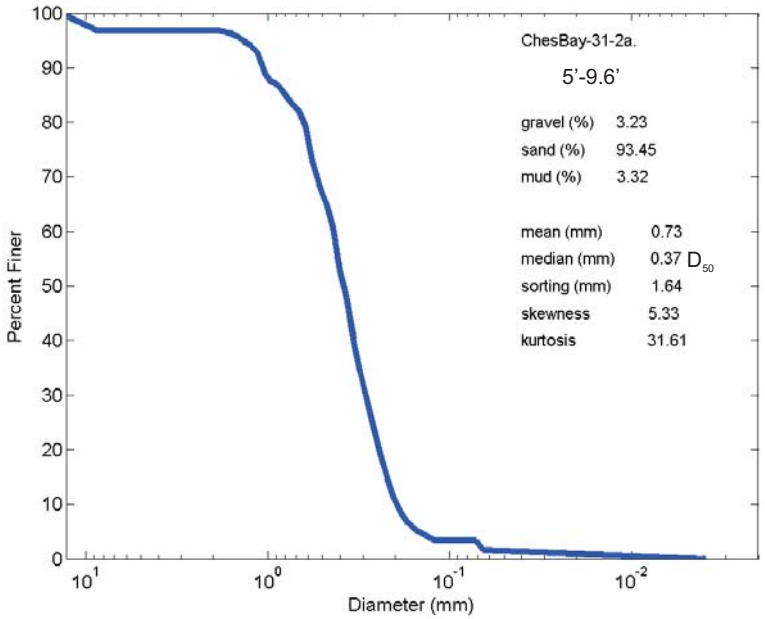

Ches-Bay-30-1a.
0'-0.8'
gravel (%) 16.96
sand (%) 81.55
mud (%) 1.48
mean (mm) 2.40
median (mm) 0.74 D50
sorting (mm) 3.92
skewness 1.89
kurtosis 4.83
Percent Finer
Diameter (mm)

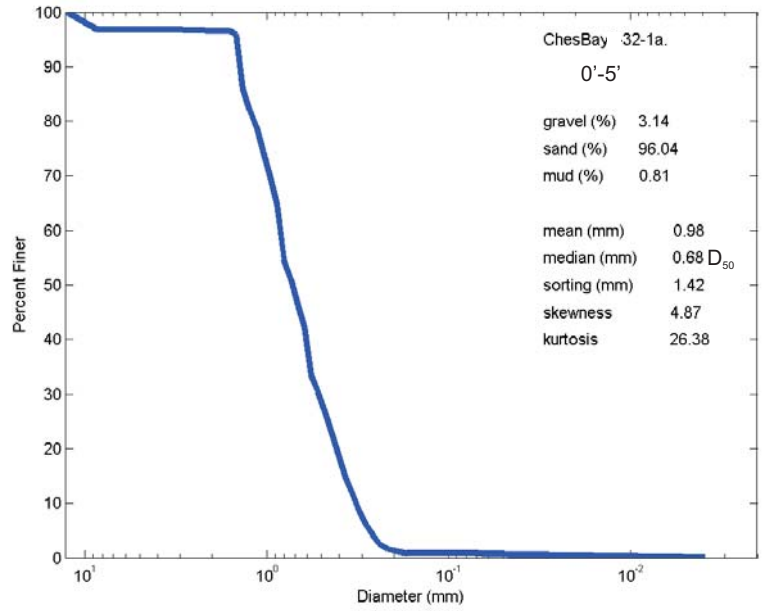

Ches-Bay-30-1b.
0.8'-4.5'
gravel (%) 0.00
sand (%) 36.45
mud (%) 63.56
mean (mm) 0.15
median (mm) 0.07 D50
sorting (mm) 0.20
skewness 1.96
kurtosis 7.93
Percent Finer
Diameter (mm)

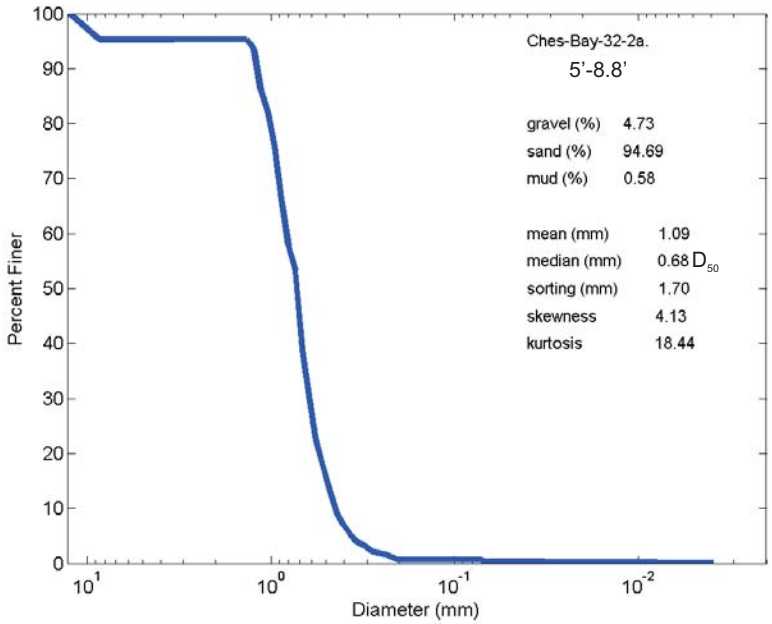

Ches-Bay-30-1c.
4.5'-5'
gravel (%) 0.00
sand (%) 83.56
mud (%) 16.42
mean (mm) 0.24
median (mm) 0.26 D50
sorting (mm) 0.16
skewness 7.09
kurtosis 129.75
Percent Finer
Diameter (mm)

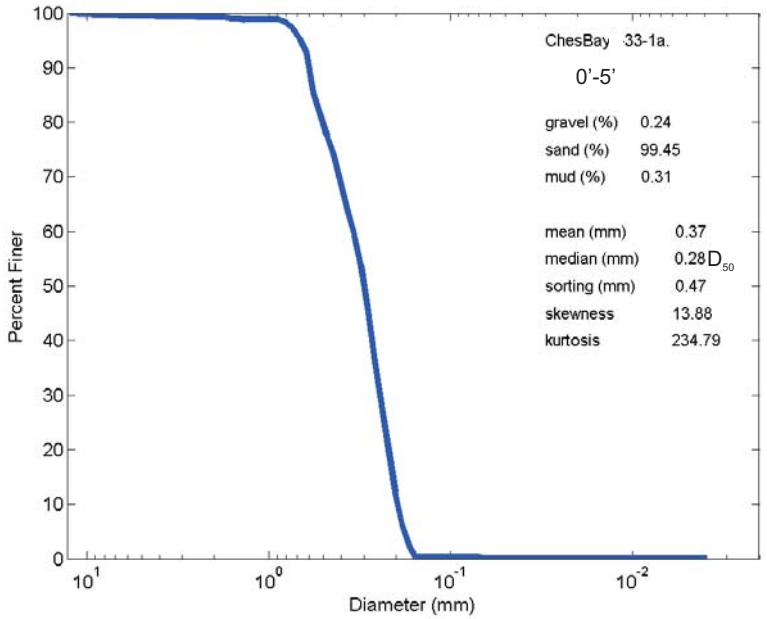

Ches-Bay-30-2a.
5'-10.6'
gravel (%) 0.00
sand (%) 89.39
mud (%) 10.61
mean (mm) 0.29
median (mm) 0.28 D50
sorting (mm) 0.20
skewness 7.68
kurtosis 108.17
Percent Finer
Diameter (mm)

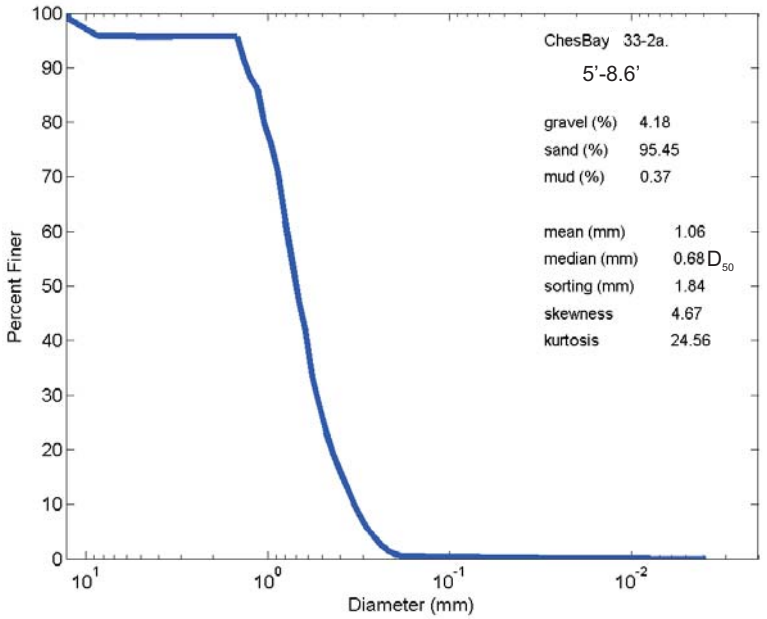

ChesBay-31-1a.
0'-5'
gravel (%) 2.11
sand (%) 95.71
mud (%) 2.18
mean (mm) 0.65
median (mm) 0.40 D_{50}
sorting (mm) 1.38
skewness 6.67
kurtosis 48.88
Percent Finer
Diameter (mm)

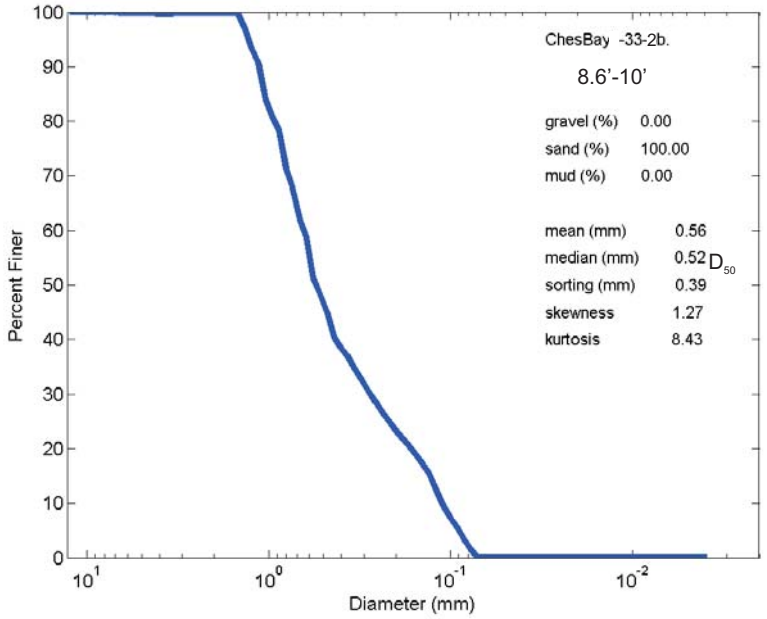

ChesBay-31-2a.
5'-9.6'
gravel (%) 3.23
sand (%) 93.45
mud (%) 3.32
mean (mm) 0.73
median (mm) 0.37 D_{50}
sorting (mm) 1.64
skewness 5.33
kurtosis 31.61
Percent Finer
Diameter (mm)

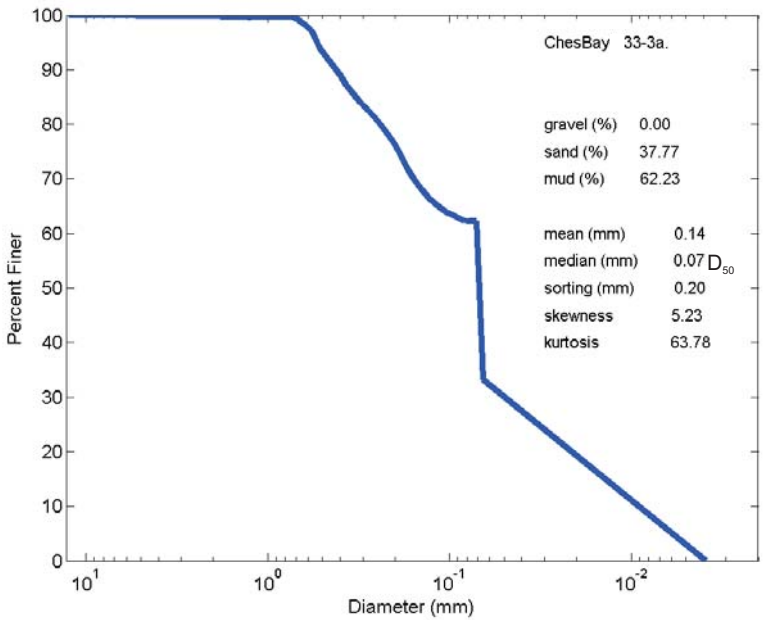

ChesBay 32-1a.
0'-5'
gravel (%) 3.14
sand (%) 96.04
mud (%) 0.81
mean (mm) 0.98
median (mm) 0.68 D_{50}
sorting (mm) 1.42
skewness 4.87
kurtosis 26.38
Percent Finer
Diameter (mm)

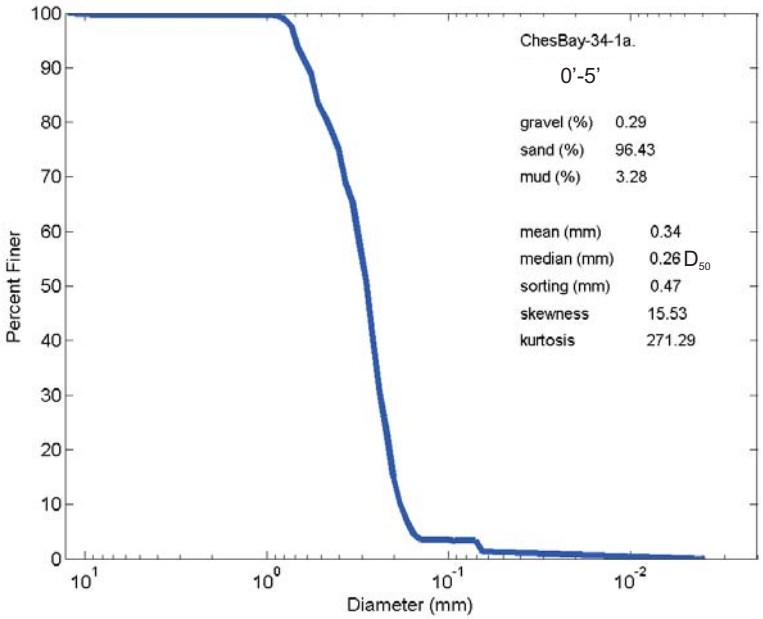

Ches-Bay-32-2a.
5'-8.8'
gravel (%) 4.73
sand (%) 94.69
mud (%) 0.58
mean (mm) 1.09
median (mm) 0.68 D_{50}
sorting (mm) 1.70
skewness 4.13
kurtosis 18.44
Percent Finer
Diameter (mm)

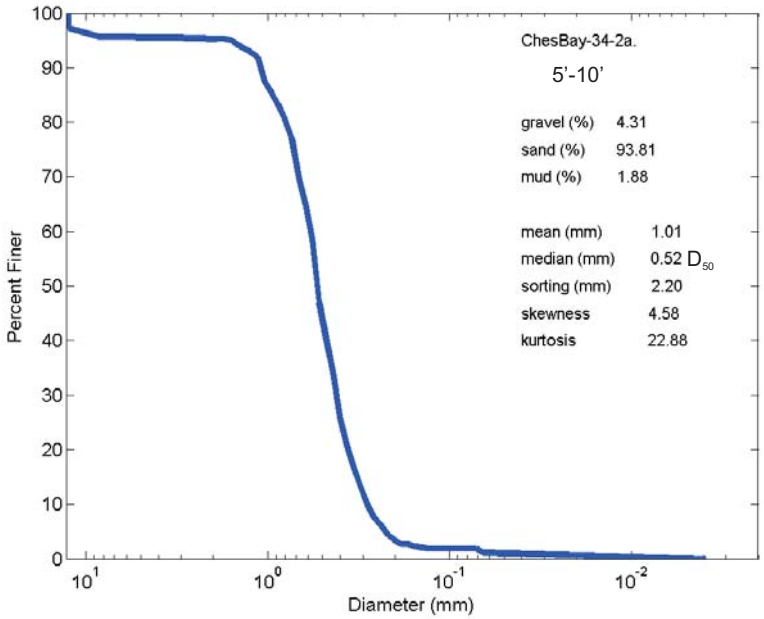

ChesBay 33-1a.
0'-5'
gravel (%) 0.24
sand (%) 99.45
mud (%) 0.31
mean (mm) 0.37
median (mm) 0.28 D50
sorting (mm) 0.47
skewness 13.88
kurtosis 234.79
Percent Finer
Diameter (mm)

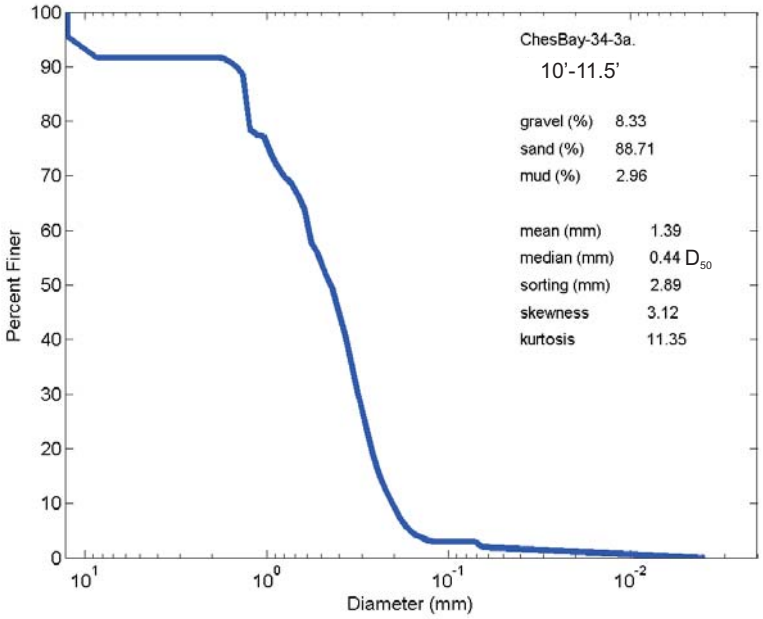

ChesBay 33-2a.
5'-8.6'
gravel (%) 4.18
sand (%) 95.45
mud (%) 0.37
mean (mm) 1.06
median (mm) 0.68 D50
sorting (mm) 1.84
skewness 4.67
kurtosis 24.56
Percent Finer
Diameter (mm)

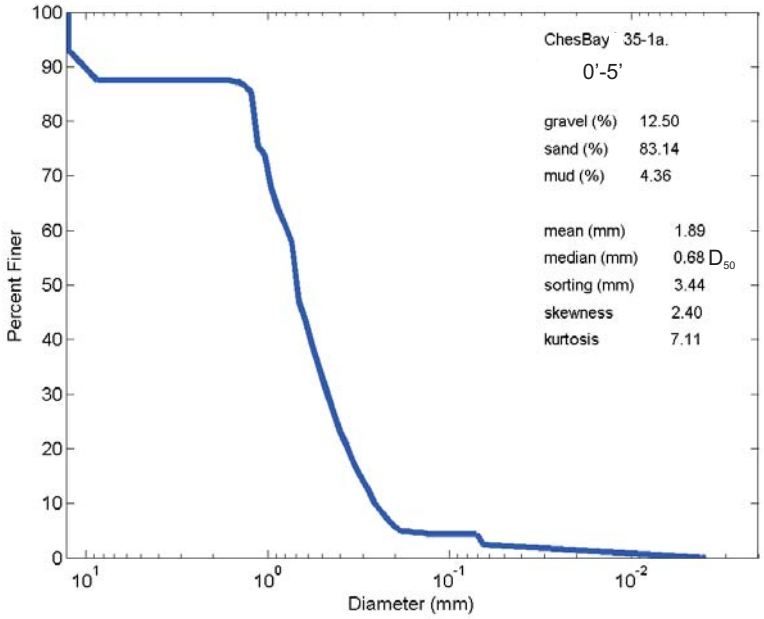

ChesBay -33-2b.
8.6'-10'
gravel (%) 0.00
sand (%) 100.00
mud (%) 0.00
mean (mm) 0.56
median (mm) 0.52 D50
sorting (mm) 0.39
skewness 1.27
kurtosis 8.43
Percent Finer
Diameter (mm)

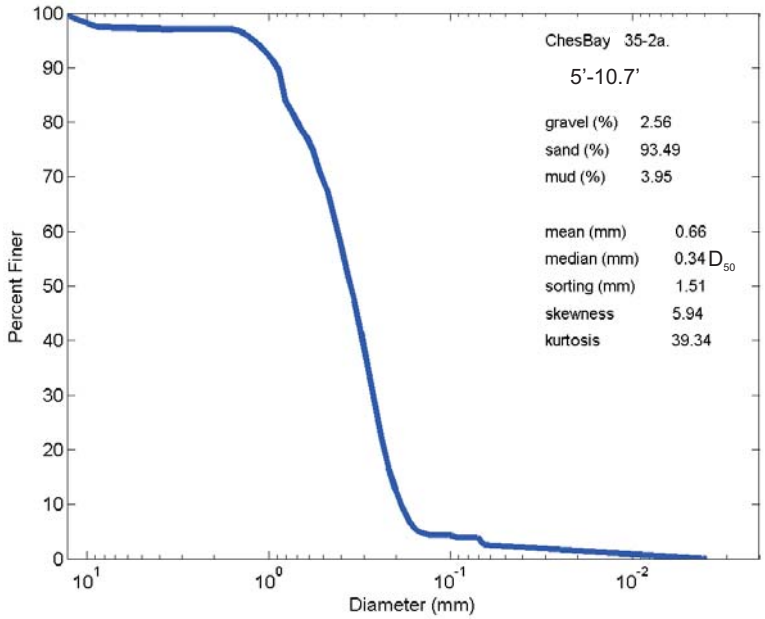

ChesBay 33-3a.
gravel (%) 0.00
sand (%) 37.77
mud (%) 62.23
mean (mm) 0.14
median (mm) 0.07 D50
sorting (mm) 0.20
skewness 5.23
kurtosis 63.78
Percent Finer
Diameter (mm)

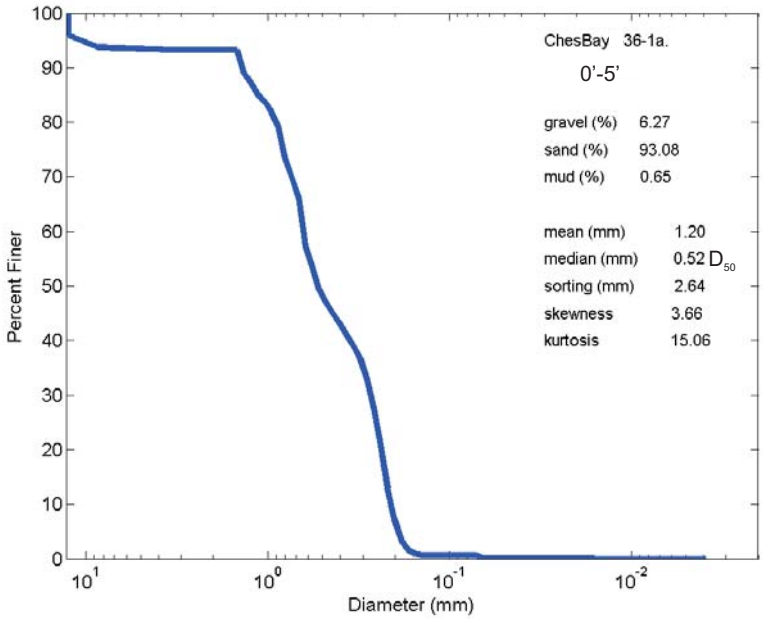

ChesBay-34-1a.
0'-5'
gravel (%) 0.29
sand (%) 96.43
mud (%) 3.28
mean (mm) 0.34
median (mm) 0.26 D50
sorting (mm) 0.47
skewness 15.53
kurtosis 271.29
Percent Finer
Diameter (mm)

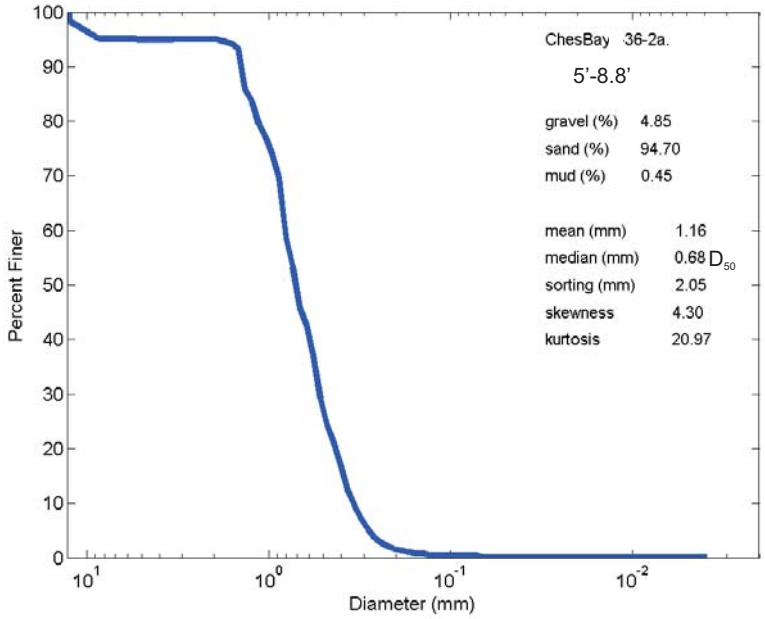

ChesBay-34-2a.
5'-10'
gravel (%) 4.31
sand (%) 93.81
mud (%) 1.88
mean (mm) 1.01
median (mm) 0.52 D50
sorting (mm) 2.20
skewness 4.58
kurtosis 22.88
Percent Finer
Diameter (mm)

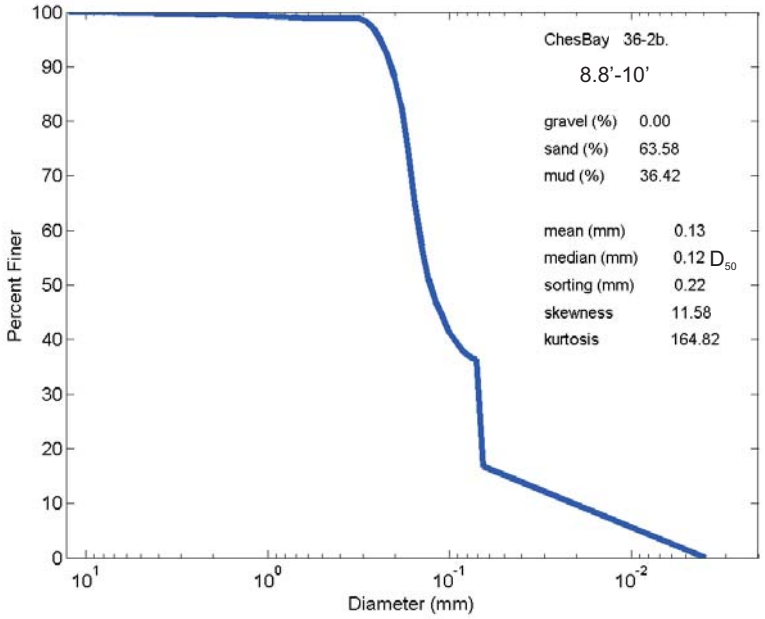

ChesBay-34-3a.
10'-11.5'
gravel (%) 8.33
sand (%) 88.71
mud (%) 2.96
mean (mm) 1.39
median (mm) 0.44 D50
sorting (mm) 2.89
skewness 3.12
kurtosis 11.35
Percent Finer
Diameter (mm)

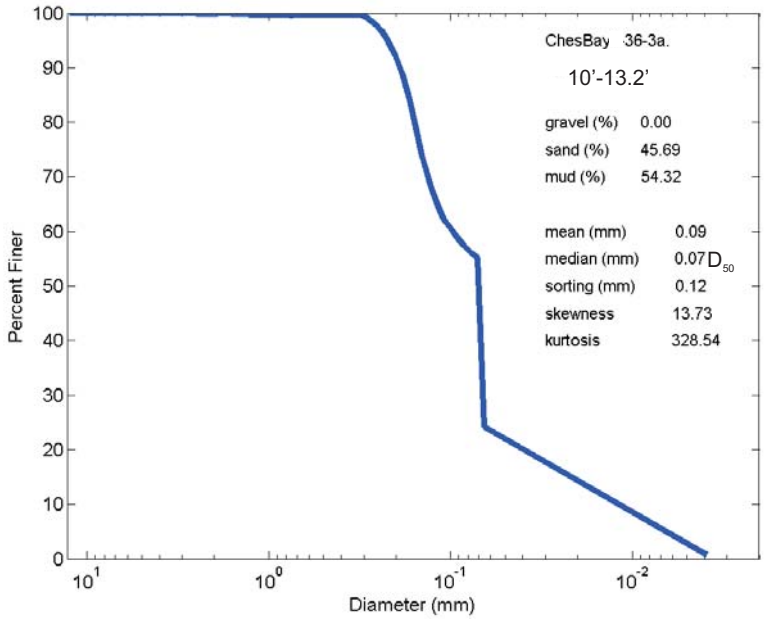

ChesBay 35-1a.
0'-5'
gravel (%) 12.50
sand (%) 83.14
mud (%) 4.36
mean (mm) 1.89
median (mm) 0.68 D50
sorting (mm) 3.44
skewness 2.40
kurtosis 7.11
Percent Finer
Diameter (mm)

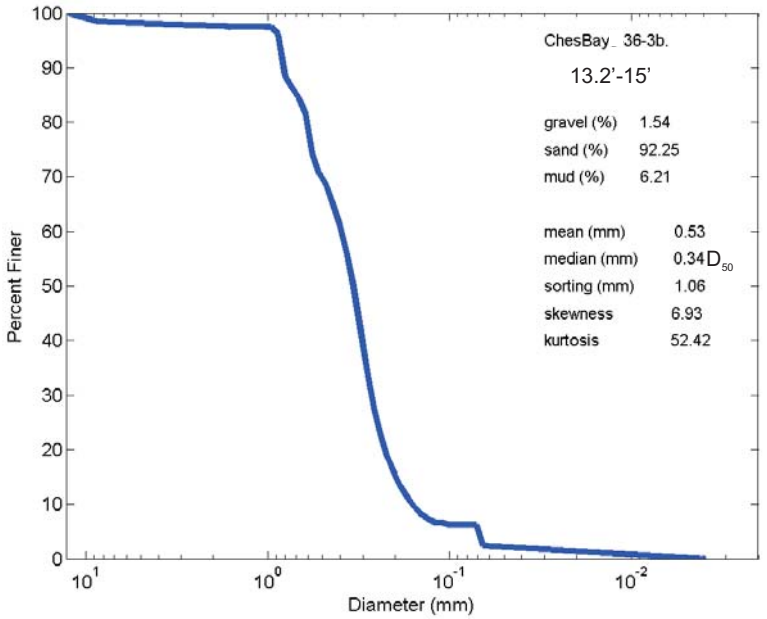

ChesBay 35-2a.
5'-10.7'
gravel (%) 2.56
sand (%) 93.49
mud (%) 3.95
mean (mm) 0.66
median (mm) 0.34 D50
sorting (mm) 1.51
skewness 5.94
kurtosis 39.34
Percent Finer
Diameter (mm)

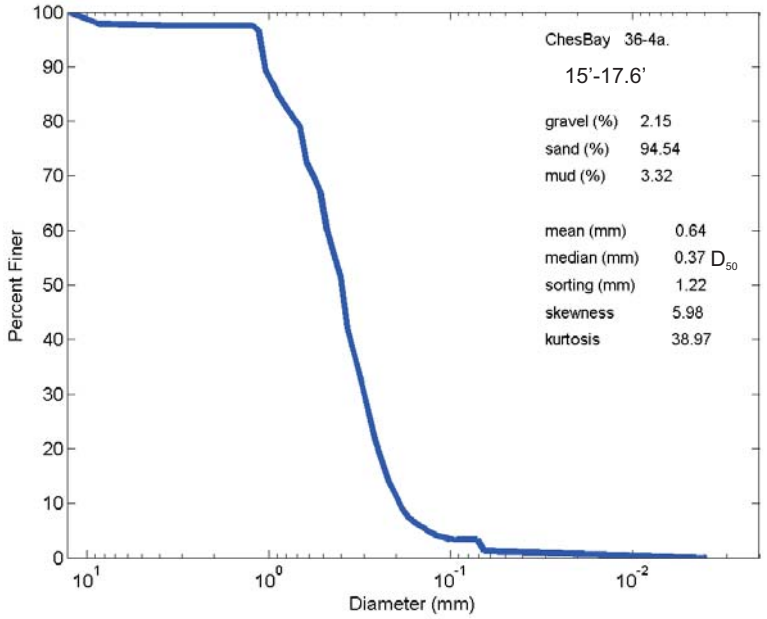

ChesBay 36-1a.
0'-5'
gravel (%) 6.27
sand (%) 93.08
mud (%) 0.65
mean (mm) 1.20
median (mm) 0.52 D50
sorting (mm) 2.64
skewness 3.66
kurtosis 15.06
Percent Finer
Diameter (mm)

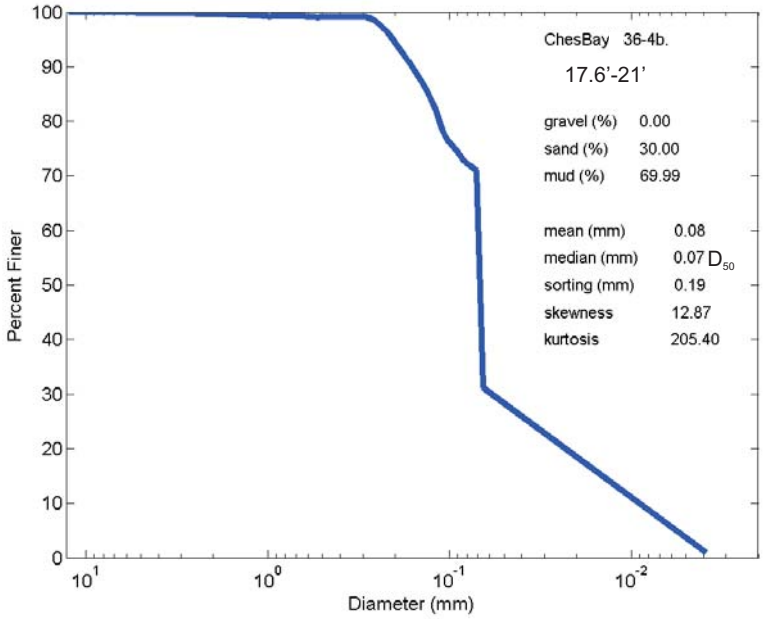

ChesBay 36-2a.
5'-8.8'
gravel (%) 4.85
sand (%) 94.70
mud (%) 0.45
mean (mm) 1.16
median (mm) 0.68 D50
sorting (mm) 2.05
skewness 4.30
kurtosis 20.97
Percent Finer
Diameter (mm)

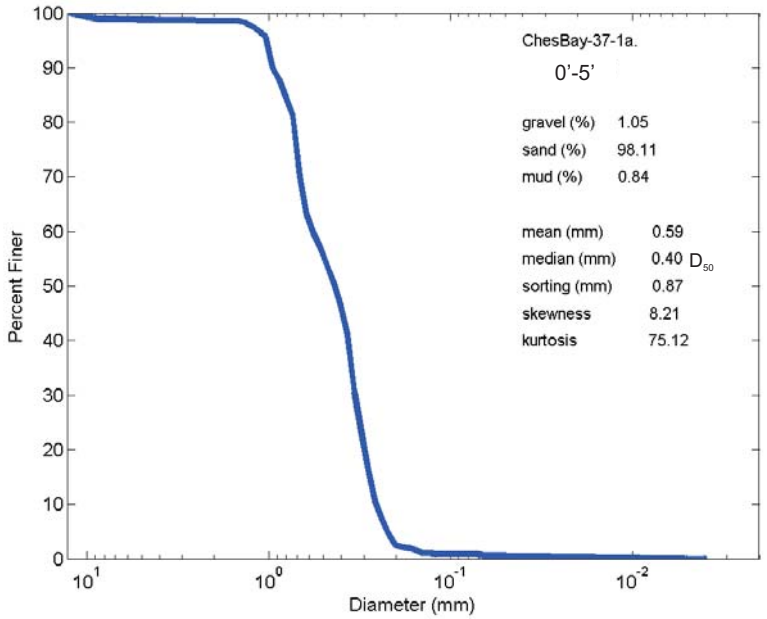

ChesBay 36-2b.
8.8'-10'
gravel (%) 0.00
sand (%) 63.58
mud (%) 36.42
mean (mm) 0.13
median (mm) 0.12 D50
sorting (mm) 0.22
skewness 11.58
kurtosis 164.82
Percent Finer
Diameter (mm)

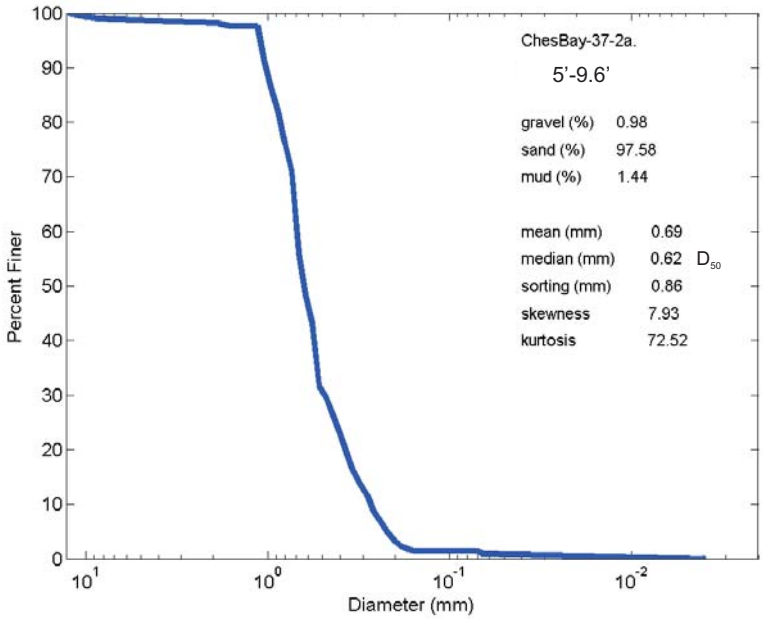

ChesBay 36-3a.
10'-13.2'
gravel (%) 0.00
sand (%) 45.69
mud (%) 54.32
mean (mm) 0.09
median (mm) 0.07 D50
sorting (mm) 0.12
skewness 13.73
kurtosis 328.54
Percent Finer
Diameter (mm)

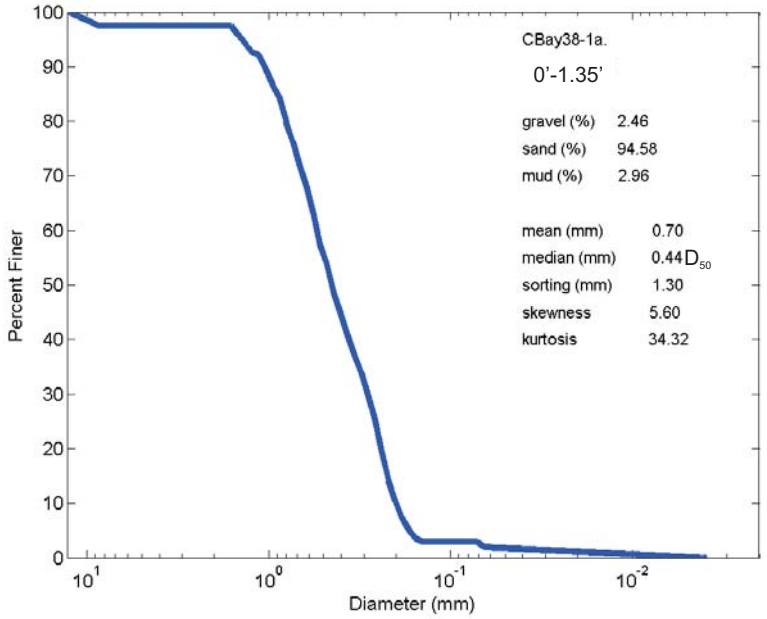

ChesBay_ 36-3b.
13.2'-15'
gravel (%) 1.54
sand (%) 92.25
mud (%) 6.21
mean (mm) 0.53
median (mm) 0.34 D50
sorting (mm) 1.06
skewness 6.93
kurtosis 52.42
Percent Finer
Diameter (mm)

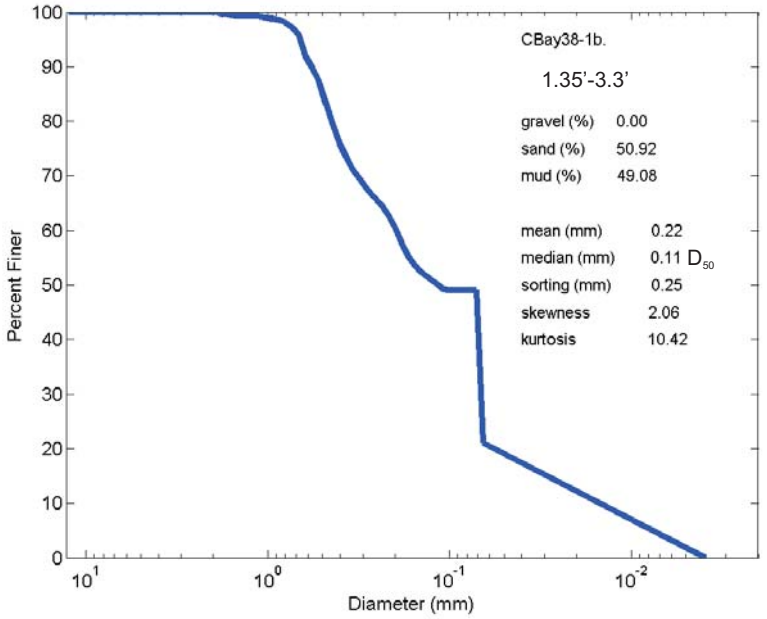

ChesBay 36-4a.
15'-17.6'
gravel (%) 2.15
sand (%) 94.54
mud (%) 3.32
mean (mm) 0.64
median (mm) 0.37 D50
sorting (mm) 1.22
skewness 5.98
kurtosis 38.97
Percent Finer
Diameter (mm)

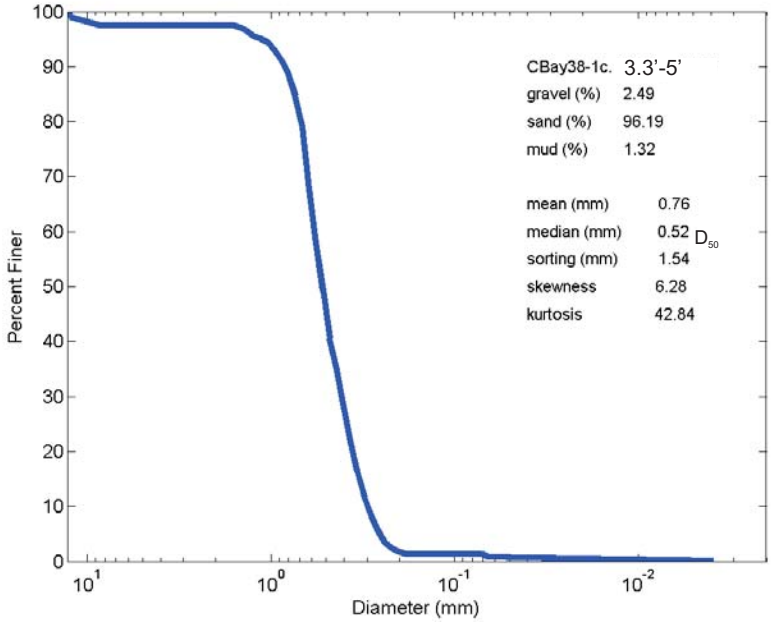

ChesBay 36-4b.
17.6'-21'
gravel (%) 0.00
sand (%) 30.00
mud (%) 69.99
mean (mm) 0.08
median (mm) 0.07 D50
sorting (mm) 0.19
skewness 12.87
kurtosis 205.40
Percent Finer
Diameter (mm)

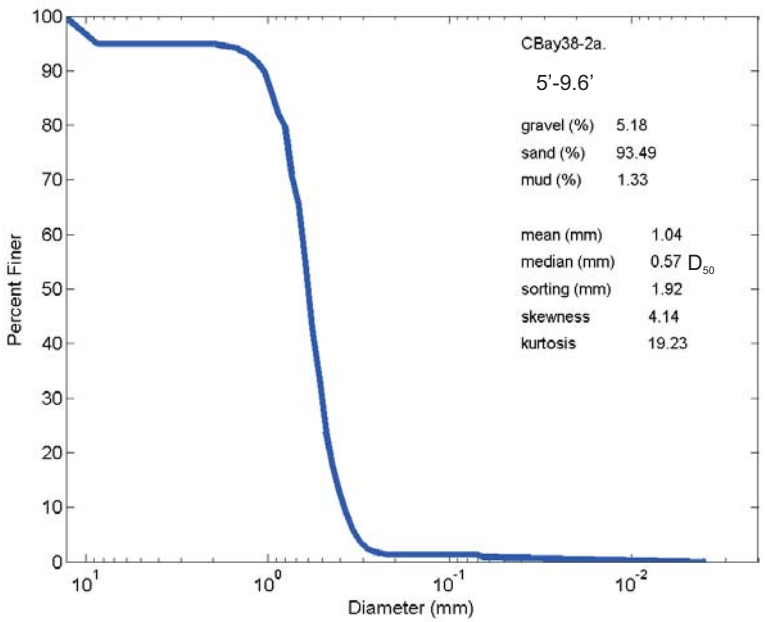

ChesBay-37-1a.
0'-5'
gravel (%) 1.05
sand (%) 98.11
mud (%) 0.84
mean (mm) 0.59
median (mm) 0.40 D50
sorting (mm) 0.87
skewness 8.21
kurtosis 75.12
Percent Finer
Diameter (mm)

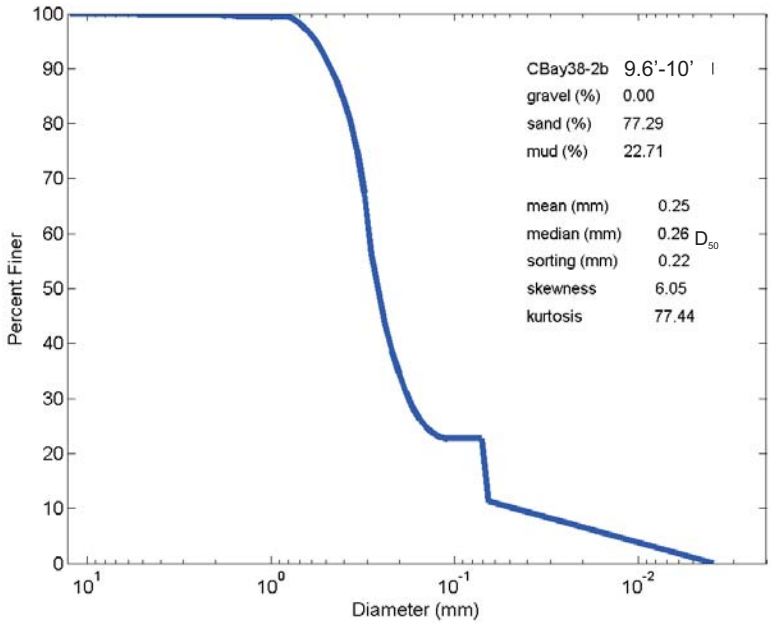

ChesBay-37-2a.
5'-9.6'
gravel (%) 0.98
sand (%) 97.58
mud (%) 1.44
mean (mm) 0.69
median (mm) 0.62 D50
sorting (mm) 0.86
skewness 7.93
kurtosis 72.52
Percent Finer
Diameter (mm)

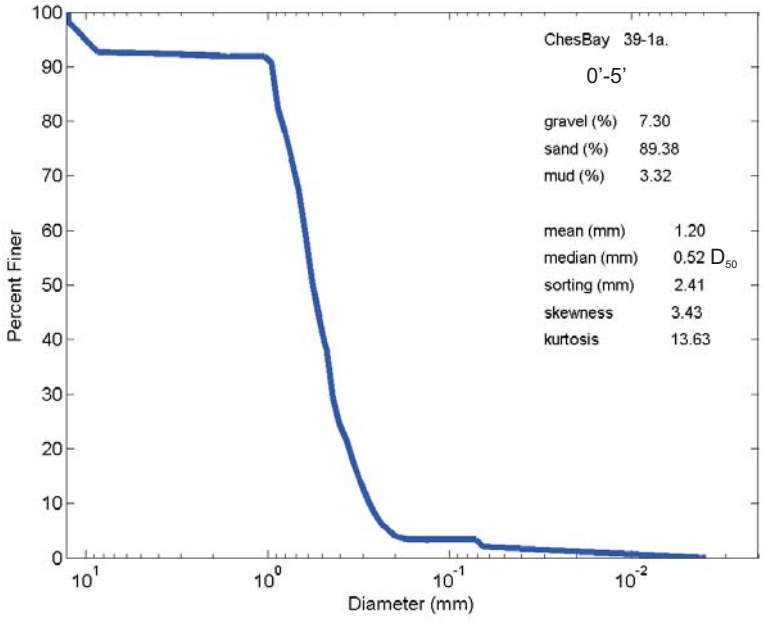

CBay38-1a.
0'-1.35'
gravel (%) 2.46
sand (%) 94.58
mud (%) 2.96
mean (mm) 0.70
median (mm) 0.44 D50
sorting (mm) 1.30
skewness 5.60
kurtosis 34.32
Percent Finer
Diameter (mm)

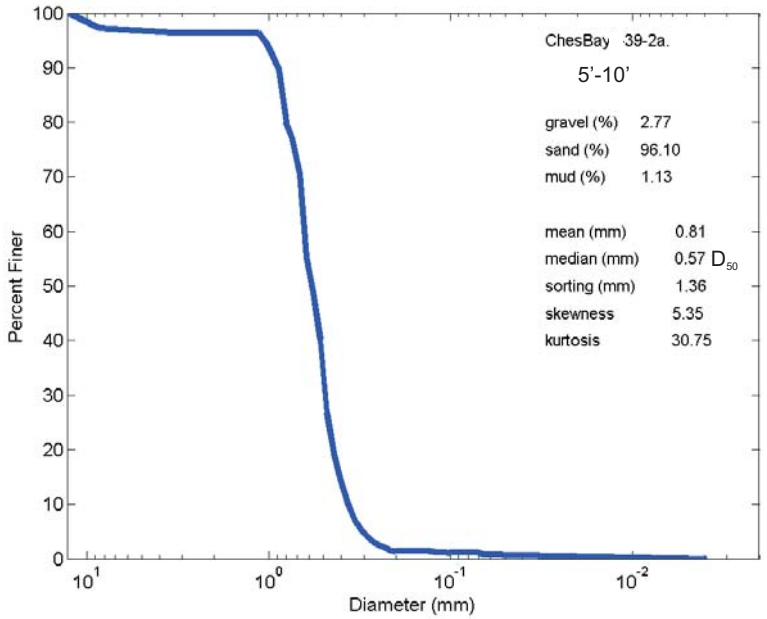

CBay38-1b.
1.35'-3.3'
gravel (%) 0.00
sand (%) 50.92
mud (%) 49.08
mean (mm) 0.22
median (mm) 0.11 D50
sorting (mm) 0.25
skewness 2.06
kurtosis 10.42
Percent Finer
Diameter (mm)

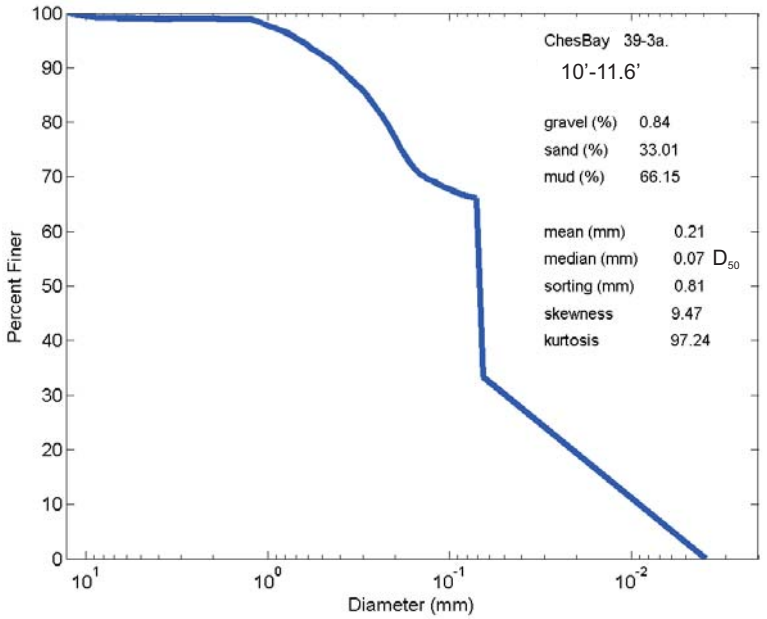

CBay38-1c. 3.3'-5'
gravel (%) 2.49
sand (%) 96.19
mud (%) 1.32
mean (mm) 0.76
median (mm) 0.52 D50
sorting (mm) 1.54
skewness 6.28
kurtosis 42.84
Percent Finer
Diameter (mm)

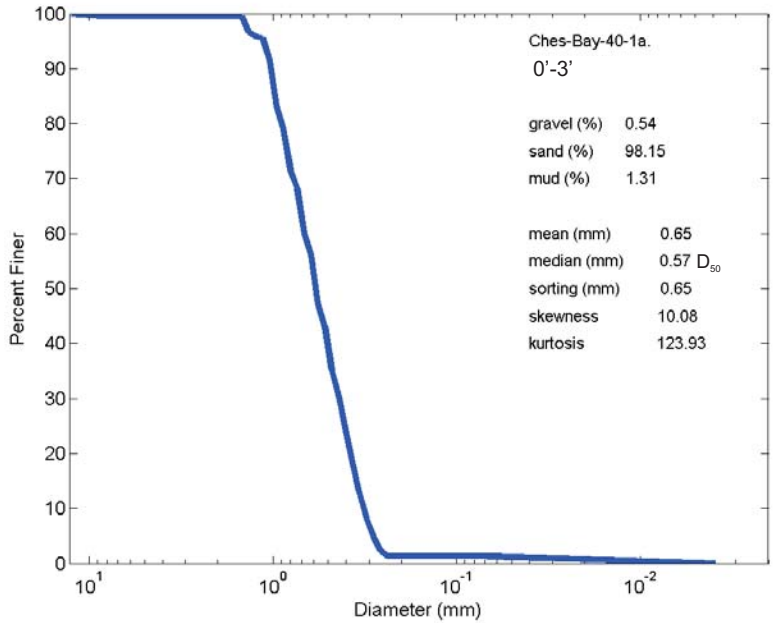

CBay38-2a.
5'-9.6'
gravel (%) 5.18
sand (%) 93.49
mud (%) 1.33
mean (mm) 1.04
median (mm) 0.57 D50
sorting (mm) 1.92
skewness 4.14
kurtosis 19.23
Percent Finer
Diameter (mm)

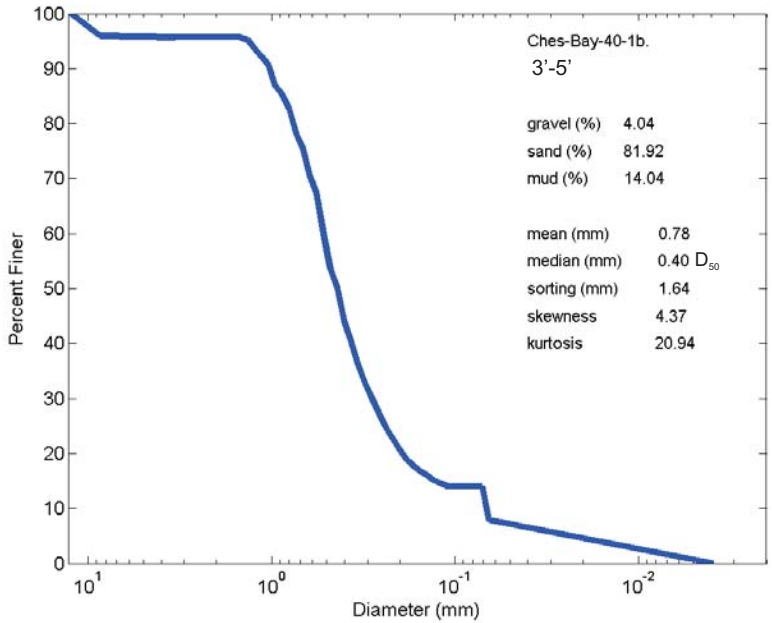

CBay38-2b 9.6'-10'
gravel (%) 0.00
sand (%) 77.29
mud (%) 22.71
mean (mm) 0.25
median (mm) 0.26 D50
sorting (mm) 0.22
skewness 6.05
kurtosis 77.44
Percent Finer
Diameter (mm)

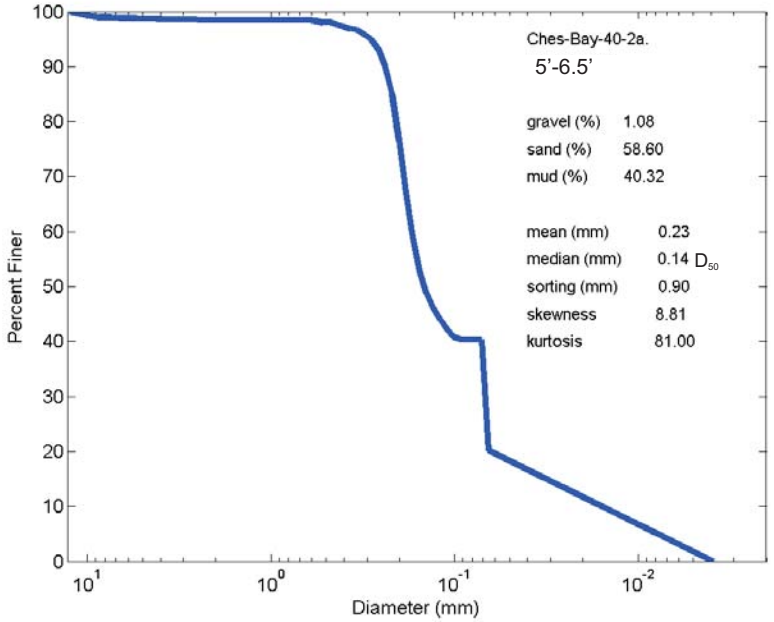

ChesBay 39-1a.
0'-5'
gravel (%) 7.30
sand (%) 89.38
mud (%) 3.32
mean (mm) 1.20
median (mm) 0.52 D50
sorting (mm) 2.41
skewness 3.43
kurtosis 13.63
Percent Finer
Diameter (mm)

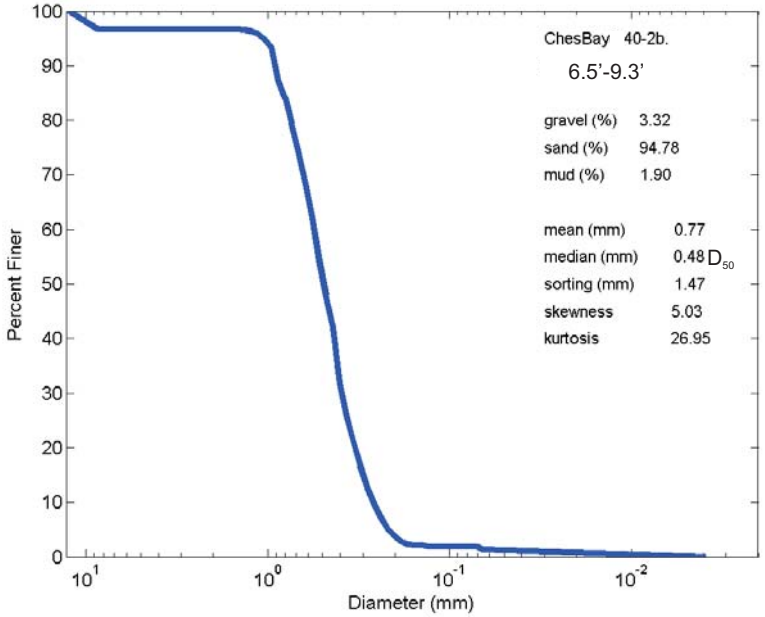

ChesBay 39-2a.
5'-10'
gravel (%) 2.77
sand (%) 96.10
mud (%) 1.13
mean (mm) 0.81
median (mm) 0.57 D50
sorting (mm) 1.36
skewness 5.35
kurtosis 30.75
Percent Finer
Diameter (mm)

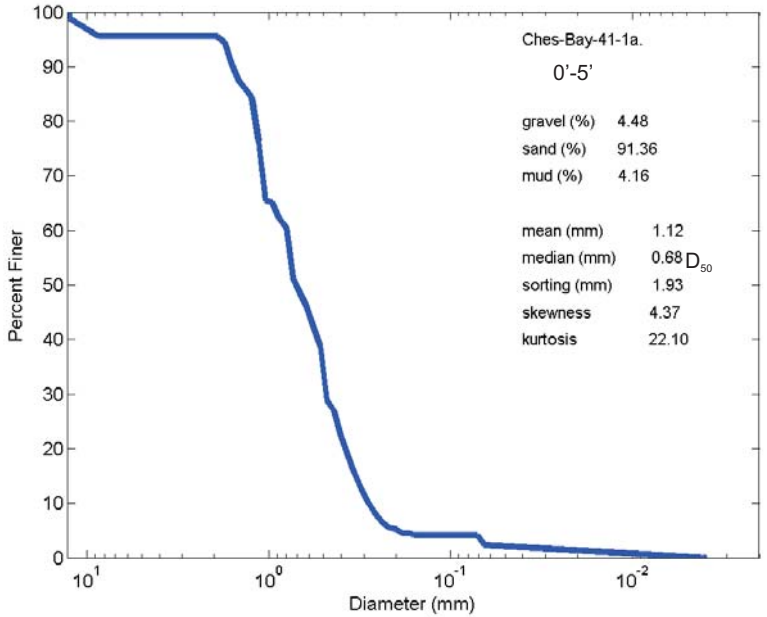

ChesBay 39-3a.
10'-11.6'
gravel (%) 0.84
sand (%) 33.01
mud (%) 66.15
mean (mm) 0.21
median (mm) 0.07 D50
sorting (mm) 0.81
skewness 9.47
kurtosis 97.24
Percent Finer
Diameter (mm)

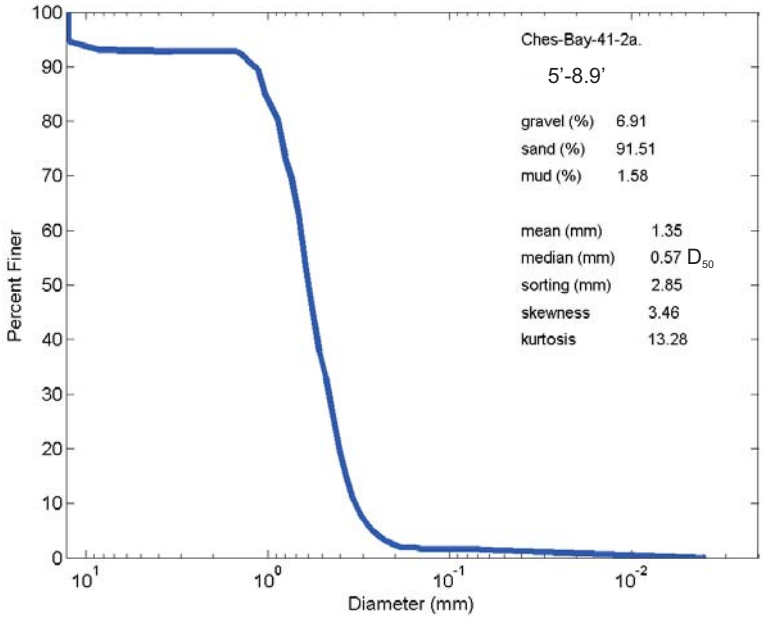

Ches-Bay-40-1a.
0'-3'
gravel (%) 0.54
sand (%) 98.15
mud (%) 1.31
mean (mm) 0.65
median (mm) 0.57 D50
sorting (mm) 0.65
skewness 10.08
kurtosis 123.93
Percent Finer
Diameter (mm)

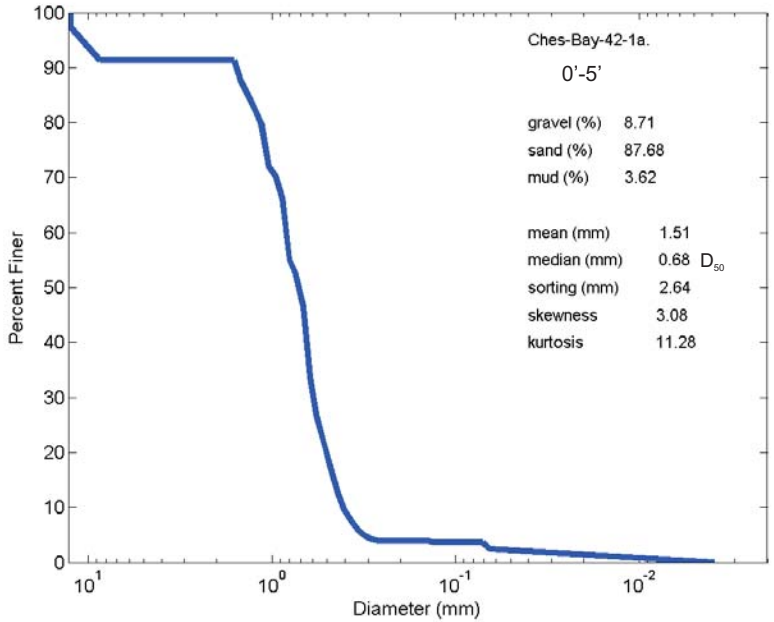

Ches-Bay-40-1b.
3'-5'
gravel (%) 4.04
sand (%) 81.92
mud (%) 14.04
mean (mm) 0.78
median (mm) 0.40 D50
sorting (mm) 1.64
skewness 4.37
kurtosis 20.94
Percent Finer
Diameter (mm)

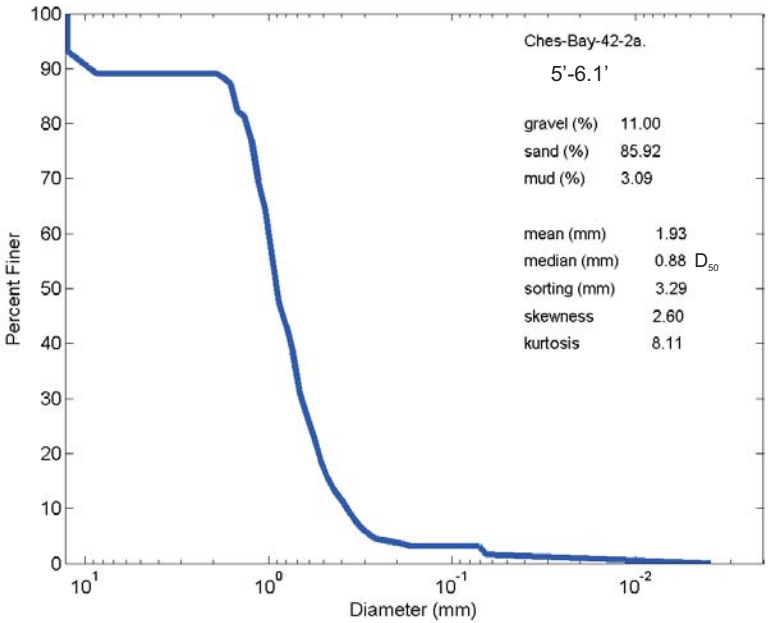

Ches-Bay-40-2a.
5'-6.5'
gravel (%) 1.08
sand (%) 58.60
mud (%) 40.32
mean (mm) 0.23
median (mm) 0.14 D50
sorting (mm) 0.90
skewness 8.81
kurtosis 81.00
Percent Finer
Diameter (mm)

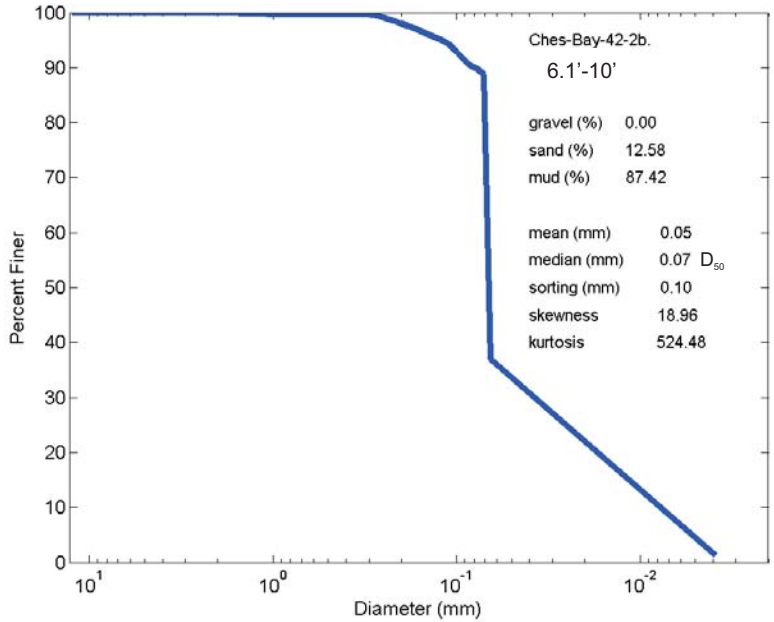

ChesBay 40-2b.
6.5'-9.3'
gravel (%) 3.32
sand (%) 94.78
mud (%) 1.90
mean (mm) 0.77
median (mm) 0.48 D50
sorting (mm) 1.47
skewness 5.03
kurtosis 26.95
Percent Finer
Diameter (mm)

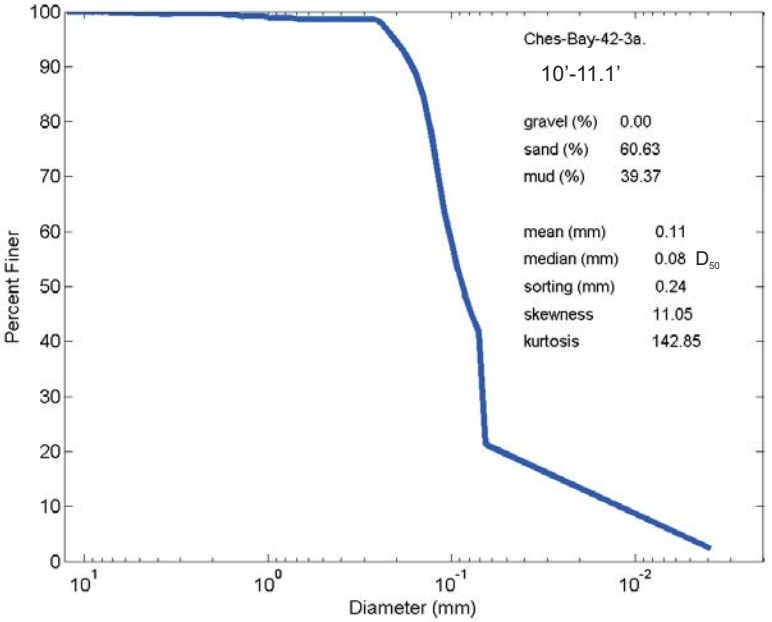

Ches-Bay-41-1a.
0'-5'
gravel (%) 4.48
sand (%) 91.36
mud (%) 4.16
mean (mm) 1.12
median (mm) 0.68 D50
sorting (mm) 1.93
skewness 4.37
kurtosis 22.10
Percent Finer
Diameter (mm)


Ches-Bay-41-2a.
5'-8.9'
gravel (%) 6.91
sand (%) 91.51
mud (%) 1.58
mean (mm) 1.35
median (mm) 0.57 D50
sorting (mm) 2.85
skewness 3.46
kurtosis 13.28
Percent Finer
Diameter (mm)


Ches-Bay-42-1a.
0'-5'
gravel (%) 8.71
sand (%) 87.68
mud (%) 3.62
mean (mm) 1.51
median (mm) 0.68 D50
sorting (mm) 2.64
skewness 3.08
kurtosis 11.28
Percent Finer
Diameter (mm)


Ches-Bay-42-2a.
5'-6.1'
gravel (%) 11.00
sand (%) 85.92
mud (%) 3.09
mean (mm) 1.93
median (mm) 0.88 D50
sorting (mm) 3.29
skewness 2.60
kurtosis 8.11
Percent Finer
Diameter (mm)


Ches-Bay-42-2b.
6.1'-10'
gravel (%) 0.00
sand (%) 12.58
mud (%) 87.42
mean (mm) 0.05
median (mm) 0.07 D50
sorting (mm) 0.10
skewness 18.96
kurtosis 524.48
Percent Finer
Diameter (mm)


Ches-Bay-42-3a.
10'-11.1'
gravel (%) 0.00
sand (%) 60.63
mud (%) 39.37
mean (mm) 0.11
median (mm) 0.08 D50
sorting (mm) 0.24
skewness 11.05
kurtosis 142.85
Percent Finer
Diameter (mm)