

\*\*\* GRAIN-SIZE ANALYSES REPORT \*\*\*  
COASTAL STUDIES INSTITUTE, LOUISIANA STATE UNIVERSITY

SAMPLE: WN-20 0'

PHI (MM)	WEIGHT (G)	WEIGHT %	CUMULATIVE WEIGHT %
0.00 (1.000)	0.538	3.14	3.14
0.25 (0.841)	1.867	10.90	14.04
0.50 (0.707)	1.119	6.53	20.57
0.75 (0.595)	2.012	11.74	32.32
1.00 (0.500)	2.703	15.78	48.09
1.25 (0.420)	1.455	8.49	56.59
1.50 (0.354)	2.294	13.39	69.98
1.75 (0.297)	1.175	6.86	76.84
2.00 (0.250)	2.183	12.74	89.58
2.25 (0.210)	1.044	6.09	95.67
2.50 (0.177)	0.371	2.17	97.84
2.75 (0.149)	0.199	1.16	99.00
3.00 (0.125)	0.123	0.72	99.72
3.25 (0.105)	0.048	0.28	100.00
3.50 (0.088)	0.000	0.00	100.00
3.75 (0.074)	0.000	0.00	100.00
4.00 (0.063)	0.000	0.00	100.00
4.25 (0.053)	0.000	0.00	100.00
4.50 (0.044)	0.000	0.00	100.00
4.75 (0.037)	0.000	0.00	100.00
5.00 (0.031)	0.000	0.00	100.00
5.25 (0.026)	0.000	0.00	100.00

TOTAL WEIGHT OF SAMPLE IS 17.131 (g)

FOLK & WARD (1957) METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1.091 (0.470)	0.722 (0.606)	0.068	0.820

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; PLATYKURITIC

INMAN METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1.108 (0.464)	0.783 (0.581)	0.066	0.392

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; VERY PLATYKURITIC

MOMENTS METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1ST MOMENT	2ND MOMENT	3RD MOMENT	4TH MOMENT
1.117 (0.461)	0.697 (0.617)	0.192	2.320

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY WELL SORTED; STRONGLY COARSE SKEWED; PLATYKURITIC

PREPARED BY BL ON 01/23/2006

\*\*\* GRAIN-SIZE ANALYSES REPORT \*\*\*  
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SAMPLE: WN-20 1.5'

PHI (MM)	WEIGHT (G)	WEIGHT %	CUMULATIVE WEIGHT %
-0.50 (1.414)	0.165	1.04	1.04
-0.25 (1.189)	0.356	2.25	3.29
0.00 (1.000)	0.653	4.12	7.41
0.25 (0.841)	1.358	8.57	15.98
0.50 (0.707)	1.715	10.82	26.80
0.75 (0.595)	2.393	15.10	41.90
1.00 (0.500)	2.751	17.36	59.25
1.25 (0.420)	1.104	6.97	66.22
1.50 (0.354)	1.728	10.90	77.12
1.75 (0.297)	0.931	5.87	83.00
2.00 (0.250)	1.458	9.20	92.20
2.25 (0.210)	0.666	4.20	96.40
2.50 (0.177)	0.238	1.50	97.90
2.75 (0.149)	0.151	0.95	98.85
3.00 (0.125)	0.094	0.59	99.44
3.25 (0.105)	0.040	0.25	99.70
3.50 (0.088)	0.011	0.07	99.77
3.75 (0.074)	0.006	0.04	99.80
4.00 (0.063)	0.007	0.04	99.85
4.25 (0.053)	0.004	0.03	99.87
4.50 (0.044)	0.010	0.06	99.94
4.75 (0.037)	0.010	0.06	100.00

TOTAL WEIGHT OF SAMPLE IS 15.849 (g)

FOLK & WARD (1957) METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
0.965 (0.512)	0.732 (0.602)	0.159	0.955

GRANULOMETRIC DESCRIPTION:

COARSE SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; MESOKURITIC

INMAN METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1.014 (0.495)	0.763 (0.589)	0.193	0.515

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; VERY PLATYKURITIC

MOMENTS METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1ST MOMENT	2ND MOMENT	3RD MOMENT	4TH MOMENT
0.961 (0.514)	0.728 (0.604)	0.473	3.480

GRANULOMETRIC DESCRIPTION:

COARSE SAND; MODERATELY SORTED; FINE SKEWED; MESOKURITIC

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SAMPLE: WN-20 3.0'

PHI (MM)	WEIGHT (G)	WEIGHT %	CUMULATIVE WEIGHT %
-0.50 (1.414)	0.171	1.11	1.11
-0.25 (1.189)	0.251	1.63	2.74
0.00 (1.000)	0.607	3.95	6.69
0.25 (0.841)	1.191	7.74	14.43
0.50 (0.707)	1.470	9.56	23.99
0.75 (0.595)	1.935	12.58	36.56
1.00 (0.500)	2.250	14.63	51.19
1.25 (0.420)	0.995	6.47	57.66
1.50 (0.354)	1.691	10.99	68.65
1.75 (0.297)	1.042	6.77	75.42
2.00 (0.250)	1.899	12.34	87.77
2.25 (0.210)	1.026	6.67	94.44
2.50 (0.177)	0.401	2.61	97.04
2.75 (0.149)	0.236	1.53	98.58
3.00 (0.125)	0.134	0.87	99.45
3.25 (0.105)	0.062	0.40	99.85
3.50 (0.088)	0.010	0.07	99.92
3.75 (0.074)	0.000	0.00	99.92
4.00 (0.063)	0.002	0.01	99.93
4.25 (0.053)	0.000	0.00	99.93
4.50 (0.044)	0.006	0.04	99.97
4.75 (0.037)	0.005	0.03	100.00

TOTAL WEIGHT OF SAMPLE IS 15.384 (g)

FOLK & WARD (1957) METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1.065 (0.478)	0.774 (0.585)	0.128	0.814

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; PLATYKURITIC

INMAN METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1.107 (0.464)	0.816 (0.568)	0.156	0.477

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; VERY PLATYKURITIC

MOMENTS METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1ST MOMENT	2ND MOMENT	3RD MOMENT	4TH MOMENT
1.087 (0.471)	0.770 (0.586)	0.193	2.621

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; MESOKURITIC

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SAMPLE: WN-20 4.5'

PHI (MM)	WEIGHT (G)	WEIGHT %	CUMULATIVE WEIGHT %
0.00 (1.000)	0.510	3.07	3.07
0.25 (0.841)	0.981	5.91	8.98
0.50 (0.707)	1.302	7.84	16.81
0.75 (0.595)	2.073	12.48	29.29
1.00 (0.500)	2.640	15.89	45.19
1.25 (0.420)	1.191	7.17	52.36
1.50 (0.354)	1.902	11.45	63.81
1.75 (0.297)	1.223	7.36	71.17
2.00 (0.250)	2.096	12.62	83.79
2.25 (0.210)	1.247	7.51	91.29
2.50 (0.177)	0.533	3.21	94.50
2.75 (0.149)	0.338	2.03	96.54
3.00 (0.125)	0.275	1.66	98.19
3.25 (0.105)	0.145	0.87	99.07
3.50 (0.088)	0.045	0.27	99.34
3.75 (0.074)	0.031	0.19	99.52
4.00 (0.063)	0.020	0.12	99.64
4.25 (0.053)	0.016	0.10	99.74
4.50 (0.044)	0.012	0.07	99.81
4.75 (0.037)	0.017	0.10	99.92
5.00 (0.031)	0.010	0.06	99.98
5.25 (0.026)	0.004	0.02	100.00

TOTAL WEIGHT OF SAMPLE IS 16.611 (g)

FOLK & WARD (1957) METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1.216 (0.430)	0.759 (0.591)	0.109	0.875

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; PLATYKURITIC

INMAN METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1.241 (0.423)	0.767 (0.588)	0.095	0.617

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; VERY PLATYKURITIC

MOMENTS METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1ST MOMENT	2ND MOMENT	3RD MOMENT	4TH MOMENT
1.245 (0.422)	0.779 (0.583)	0.563	3.498

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; FINE SKEWED; MESOKURITIC

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SAMPLE: WN-20 6.0'

PHI (MM)	WEIGHT (G)	WEIGHT %	CUMULATIVE WEIGHT %
0.00 (1.000)	0.062	0.41	0.41
0.25 (0.841)	0.338	2.25	2.66
0.50 (0.707)	0.624	4.16	6.82
0.75 (0.595)	1.264	8.42	15.24
1.00 (0.500)	1.873	12.47	27.71
1.25 (0.420)	0.998	6.65	34.35
1.50 (0.354)	1.723	11.47	45.83
1.75 (0.297)	1.252	8.34	54.17
2.00 (0.250)	2.596	17.29	71.45
2.25 (0.210)	1.832	12.20	83.65
2.50 (0.177)	0.855	5.69	89.35
2.75 (0.149)	0.607	4.04	93.39
3.00 (0.125)	0.509	3.39	96.78
3.25 (0.105)	0.278	1.85	98.63
3.50 (0.088)	0.060	0.40	99.03
3.75 (0.074)	0.039	0.26	99.29
4.00 (0.063)	0.023	0.15	99.44
4.25 (0.053)	0.020	0.13	99.57
4.50 (0.044)	0.013	0.09	99.66
4.75 (0.037)	0.020	0.13	99.79
5.00 (0.031)	0.009	0.06	99.85
5.25 (0.026)	0.022	0.15	100.00

TOTAL WEIGHT OF SAMPLE IS 15.017 (g)

FOLK & WARD (1957) METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1.552 (0.341)	0.751 (0.594)	-0.071	0.901

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; MESOKURITIC

INMAN METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1.515 (0.350)	0.750 (0.595)	-0.146	0.652

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; VERY PLATYKURITIC

MOMENTS METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1ST MOMENT	2ND MOMENT	3RD MOMENT	4TH MOMENT
1.582 (0.334)	0.771 (0.586)	0.390	3.578

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; MESOKURITIC

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SAMPLE: WN-20 7.5'

PHI (MM)	WEIGHT (G)	WEIGHT %	CUMULATIVE WEIGHT %
0.00 (1.000)	0.193	1.32	1.32
0.25 (0.841)	0.532	3.65	4.98
0.50 (0.707)	0.974	6.69	11.66
0.75 (0.595)	1.552	10.65	22.31
1.00 (0.500)	1.882	12.92	35.23
1.25 (0.420)	0.889	6.10	41.33
1.50 (0.354)	1.260	8.65	49.98
1.75 (0.297)	0.894	6.14	56.12
2.00 (0.250)	1.803	12.38	68.49
2.25 (0.210)	1.427	9.79	78.29
2.50 (0.177)	0.840	5.77	84.06
2.75 (0.149)	0.717	4.92	88.98
3.00 (0.125)	0.780	5.35	94.33
3.25 (0.105)	0.482	3.31	97.64
3.50 (0.088)	0.117	0.80	98.44
3.75 (0.074)	0.059	0.40	98.85
4.00 (0.063)	0.034	0.23	99.08
4.25 (0.053)	0.033	0.23	99.31
4.50 (0.044)	0.023	0.16	99.46
4.75 (0.037)	0.032	0.22	99.68
5.00 (0.031)	0.024	0.16	99.85
5.25 (0.026)	0.022	0.15	100.00

TOTAL WEIGHT OF SAMPLE IS 14.569 (g)

FOLK & WARD (1957) METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1.533 (0.345)	0.898 (0.537)	0.079	0.841

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; PLATYKURITIC

INMAN METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1.550 (0.342)	0.948 (0.518)	0.052	0.477

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; STRONGLY COARSE SKEWED; VERY PLATYKURITIC

MOMENTS METHOD

MEAN PHI (MM)	SORTING PHI(MM)	SKEWNESS	KURTOSIS
1ST MOMENT	2ND MOMENT	3RD MOMENT	4TH MOMENT
1.551 (0.341)	0.910 (0.532)	0.455	2.972

GRANULOMETRIC DESCRIPTION:

MEDIUM SAND; MODERATELY SORTED; FINE SKEWED; MESOKURITIC

PREPARED BY BL ON 01/23/2006