



2203 Nags Head Borrow Area		Mean Grain Size			% > 2mm			% Fine			% CaCO ₃			182 Overfill Ratio
Core	Recovery	4'	6'	8'	4'	6'	8'	4'	6'	8'	4'	6'	8'	8' Composite*
10	3	0.469	ND	ND	2.8	ND	ND	0.0	ND	ND	0.7	ND	ND	<1.02
12	9.3	0.549	0.538	0.568	5.7	6.5	6.2	0.0	0.0	0.0	2.6	1.9	1.7	<1.02
46	8	0.441	0.464	0.475	3.0	3.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0	<1.02
48	6.7	0.443	0.472	ND	1.8	3.1	ND	0.0	0.0	ND	1.1	1.1	ND	<1.02
49	8	0.461	0.437	0.424	4.4	3.4	2.9	0.0	0.0	0.0	1.6	2.1	2.3	<1.02
57	9.4	0.558	0.522	0.501	6.7	4.8	4.0	0.0	0.0	0.0	0.6	0.7	0.8	<1.02
58	7.8	0.456	0.428	0.411	1.8	1.5	1.3	0.0	0.0	0.0	0.9	1.1	1.2	<1.02
59	9	0.395	0.397	0.405	0.9	1.0	1.0	0.0	0.0	0.0	0.5	0.6	0.6	<1.02
63	9.5	0.302	0.320	0.334	0.9	1.1	1.2	0.1	0.1	0.1	0.6	0.8	0.9	1.09
64	9.5	0.445	0.429	0.410	2.1	1.8	1.4	0.0	0.0	0.0	0.4	0.4	0.5	<1.02
67	9.2	0.376	0.345	0.322	1.2	0.9	0.8	0.0	0.1	0.2	0.7	0.7	0.8	1.29
74	9	0.409	0.389	0.373	1.3	1.2	1.2	0.0	0.0	0.1	0.5	0.5	0.5	<1.02
75	8.2	0.462	0.446	0.443	3.2	3.4	3.4	0.0	0.0	0.0	0.7	0.7	0.7	<1.02
76	7.4	0.401	0.375	0.365	3.6	2.7	2.4	0.1	0.1	0.1	0.6	0.9	1.0	<1.02
77	6.7	0.380	0.368	ND	0.7	0.7	ND	0.0	0.0	ND	0.4	0.5	ND	<1.02
78	9.3	0.322	0.303	0.289	0.8	0.6	0.5	0.2	0.2	0.3	1.2	1.2	1.2	1.81
79	9.1	0.399	0.423	0.442	1.3	2.0	2.5	0.0	0.0	0.0	0.0	0.3	0.4	<1.02
80	8.3	0.471	0.423	0.400	1.8	1.8	1.8	0.0	0.0	0.0	1.0	1.2	1.4	<1.02
81	8.2	0.423	0.413	0.408	0.8	0.7	0.6	0.0	0.0	0.0	0.7	0.6	0.6	<1.02
82	9.3	0.554	0.531	0.514	7.1	5.9	4.9	0.0	0.0	0.0	0.8	0.8	0.8	<1.02
83	8.3	0.431	0.412	0.398	1.8	1.7	1.6	0.0	0.0	0.0	0.5	0.6	0.7	<1.02
84	9.4	0.421	0.405	0.393	0.5	0.7	0.9	0.0	0.0	0.0	0.5	0.5	0.5	<1.02
85	9.3	0.418	0.408	0.401	1.8	1.7	1.5	0.0	0.0	0.0	1.2	1.4	1.6	<1.02
86	8	0.454	0.459	0.462	1.4	1.4	1.3	0.1	0.1	0.1	0.7	0.8	0.8	<1.02
96	9.4	0.429	0.433	0.437	0.7	0.9	1.1	0.0	0.0	0.0	0.2	0.4	0.6	<1.02
97	8.9	0.476	0.448	0.426	4.3	3.4	2.7	0.0	0.0	0.0	1.3	1.1	1.0	<1.02
98	9.7	0.474	0.458	0.438	2.7	2.4	2.1	0.0	0.0	0.0	1.8	1.7	1.5	<1.02
99	9.8	0.349	0.376	0.396	1.2	1.3	1.4	0.0	0.0	0.1	0.5	0.6	0.6	<1.02
Area 2 Average	8.5	0.434	0.425	0.417	2.4	2.3	2.1	0.0	0.0	0.0	0.8	0.8	0.9	1.04
34	8.9	0.439	0.393	0.371	12.7	8.5	6.4	0.0	0.0	0.0	5.4	4.1	3.5	1.09
35	5.9	0.409	0.394	ND	2.0	1.6	ND	0.0	0.0	ND	0.7	0.7	ND	<1.02
38	5.8	0.424	0.424	ND	4.1	4.1	ND	0.0	0.0	ND	1.3	1.3	ND	<1.02
39	8.3	0.451	0.442	0.437	3.6	3.6	3.6	0.0	0.0	0.0	0.9	0.9	0.9	<1.02
40	8.8	0.426	0.403	0.392	2.0	1.8	1.7	0.0	0.0	0.0	0.7	0.9	1.1	<1.02
41	9.1	0.329	0.318	0.313	0.1	0.1	0.1	0.0	0.0	0.0	0.4	0.4	0.5	1.82
61	6.3	0.428	0.408	ND	2.9	2.4	ND	0.0	0.0	ND	0.7	0.9	ND	<1.02
62	6.6	0.432	0.403	ND	2.0	1.6	ND	0.1	0.1	ND	0.5	0.6	ND	<1.02
65	8.3	0.317	0.320	0.321	0.2	0.3	0.4	0.1	0.0	0.0	0.5	0.5	0.5	1.95
66	9.8	0.463	0.463	0.462	2.4	2.2	1.9	0.0	0.0	0.0	0.5	0.5	0.4	<1.02
68	8.6	0.464	0.443	0.427	4.5	4.0	3.7	0.0	0.0	0.0	0.5	0.7	0.8	<1.02
69	9.4	0.455	0.417	0.389	5.2	4.0	3.0	0.0	0.0	0.1	0.5	0.6	0.6	<1.02
70	7	0.423	0.424	ND	2.0	3.2	ND	0.0	0.0	ND	0.7	1.0	ND	<1.02
71	6.1	0.448	0.443	ND	1.5	1.4	ND	0.0	0.0	ND	0.5	0.6	ND	<1.02
72	8.6	0.462	0.419	0.403	2.4	1.9	1.7	0.0	0.1	0.1	0.9	0.8	0.7	<1.02
101	9.3	0.364	0.378	0.389	0.3	0.6	0.8	0.0	0.0	0.0	0.5	0.5	0.5	<1.02
102	7.9	0.456	0.428	0.414	3.1	2.4	2.0	0.0	0.0	0.0	1.2	1.0	0.9	<1.02
Area 3 Average	7.9	0.422	0.407	0.401	3.0	2.6	2.3	0.0	0.0	0.0	1.0	0.9	0.9	1.11

If recovery is <8', composite values are to recovery depth.

NO.	REVISION	BY	DATE

CSE
 Coastal Science & Engineering
 PO Box 8056
 Columbia South Carolina 29202
 Phone 803-799-8949
 www.coastalscience.com

CLIENT:
 TOWN OF NAGS HEAD
 5401 SOUTH CROATAN HWY
 NAGS HEAD NC 27959

PROJECT:
 TOWN OF NAGS HEAD
 BEACH NOURISHMENT PROJECT

DRAWING TITLE:
 GEOTECHNICAL DATA
 SEDIMENT CHARACTERISTICS

*Preliminary
 Drawing
 Not For
 Construction*

SCALE:	AS SHOWN
DATE:	Jan 2011
DRAWN BY:	JJH
APPROVED BY:	TWK/HLK
PROJECT #:	2203-CD