Project: Bogue Banks

Vessel: Cheryl Lyn

Date: 3/27/07

Tide Times:

High: 1624 / 0802 Wed Low: 1029 / 2229

REMSA RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

Tow #	Start Time	Start Latitude	Start Longitude	Start Depth	Speed Mid-Tow	End Time	End Latitude	End Longitude	End Depth	Dredge Location	Tide Stage	Water Temp	Wave Height	Air Temp.	Wind	TURTLES
1	0910	34°37.970N	76°42.220 W	43 ft	2.8 kts	0950	34°38.311 N	76°41.666 W	37 ft	Borrow	Ebb	56°F	2 ft	61°F	SW@7	Ø
2	1004	34°38.186N	76°42.338 W	47 ft	2.6 kts	1045	34°38.507 N	76°41.073 W	40 ft	Borrow	Ebb	56°F	2 ft	68°F	SW@7	Ø
3	1210	34°38.348 N	76.42.248 W	40 ft	3.0 kts	1220	34°38.134 N	76°41.622 W	43 ft	pump out	Flood	56°F	2 ft	69°F	SW@7	Ø
4	1255	34°38.222N	76°41.202 W	42 ft	2.8 kts	1308	34°38.058 N	76°41.787 W	46 ft	pump out	Flood	56°F	2 ft	70°F	SW 7	Ø
5	1317	34°38.973 N	76°42.160 W	42 ft	2.7 kts	1357	34°37.965 N	76°42.263 W	45 ft	Pump out	Flood	56°F	2 ft	70°F	SW@7	Ø
6	1407	34 38.100 N	76 42.440 W	43 ft	3.3 kts	1447	34°38.047 N	76°42.279 W	43 ft	Borrow area	Flood	56°F	2 ft	70°F	SW@7	Ø
7	1500	34°38.177N	76°42.311 W	44 ft	2.8 kts	1545	34°38.068 N	76°42.291 W	44 ft	Borrow area	Flood	56°F	2 ft	70°F	SW@7	Ø
8	1555	34°38.133 N	76°42.422 W	45 ft	2.9 kts	1640	34°38.121 N	76°42.055 W	45 ft	Pump out	Flood	56°F	2-3 ft	70°F	SW@10	Ø
9	1653	34°38.094 N	76°41.971 W	44 ft	2.9 kts	1735	34°38.3[illegible] N	76°42.550 W	44 ft	Pump out	Flood	56°F	2-3 ft	69°F	SW[illegible]	Ø
10	1823	34°38.337 N	76°41.540 W	44 ft	3.0 kts	1909	34°38.061 N	76°42.457 W	44 ft	pump out	Ebb	56	3 ft	69	SW15	Ø
11	1917	34°38075 N	76°42.512 W	44 ft	3.0 kts	2001	34°38.213 N	76°42.850 W	43 ft	pump out	Ebb	56°	3 ft	70	SW15	Ø
12	2011	34°37990 N	76°41.200 W	44 ft	3.0 kts	2055	34°38092 N	76°42.412 W	44 ft	pump out	Ebb	56°	3 ft	69	SW20	Ø
13	2108	34°38.052 N	76°42.377 W	43 ft	3.0 kts	2150	34°38.170 N	76°42.040 W	45 ft	pump out	Ebb	56	4 ft	64	WSW20	Ø
14	2202	34°38.285 N	76°42.270 W	43 ft	3.0 kts	2247	34°38.177 N	76°42.365 W	45 ft	pump out	Ebb	56°	4 ft	64	WSW 20	Ø
15	2300	34°37.972 N	76°42.220 W	44 ft	2.8 kts	2345	34°38.351 N	76°42.457 W	46 ft	Pump out	SL ebb	56	3-4 ft	64	WSW 20	Ø
16	2355	34°38.365 N	76°42.702 W	44 ft	2.8 kts	0040	34°38.349 N	76°41.815 W	44 ft	pump out	Flood	56°	3-4 ft	64	WSW20	Ø
		N	W	ft	kts		N	W	ft				ft			
		N	W	ft	kts		N	W	ft				ft			
		N	W	ft	kts		N	W	ft				ft			
		N	W	ft	kts		N	W	ft				ft			
		N	W	ft	kts		N	W	ft				ft			
		N	W	ft	kts		N	W	ft				ft			
		N	W	ft	kts		N	W	ft				ft			
		N	W	ft	kts		N	W	ft				ft			
		N	W	ft	kts		N	W	ft				ft			

Project: Bogue Banks

Date: 3/28/07

Vessel: Cheryl Lyn

Tide Times:

High: 0802/0462 Low: 1025/2230

REMSA
RESEARCH, ENVIRONMENTAL & MANAGEMENT SUPPORT

Tow #	Start Time	Start Latitude	Start Longitude	Start Depth	Speed Mid-Tow	End Time	End Latitude	End Longitude	End Depth	Dredge Location	Tide Stage	Water Temp	Wave Height	Air Temp.	Wind	TURTLES
17	0050	34°38.371 N	76°42.161 W	45 ft	2.8 kts	0135	34°38.349 N	76°42.178 W	44 ft	Pump out	Flood	56	3 ft	64	SSW10	Ø
18	0150	34°38.318 N	76°42.180 W	42 ft	2.8 kts	0236	34°38.348 N	76°42.116 W	44 ft	pump out	Flood	56	3 ft	64	SW7-10	Ø
19	0246	34°38.207 N	76°42.234 W	43 ft	2.8 kts	0330	34°38.356 N	76°42.214 W	44 ft	pump out	Flood	56	3 ft	62	SSW5	Ø
20	0345	34°38.299 N	76°42.508 W	43 ft	2.8 kts	0430	34°38.193 N	76°42.003 W	44 ft	pump out	Flood	56	3 ft	62	SSW5	Ø
21	0439	34°38.316 N	76°42.138 W	43 ft	2.8 kts	0525	34°38.214 N	76°42.101 W	44 ft	"	Flood	56	2 ft	60	SSW5	Ø
22	0535	34°38.365 N	76°42.274 W	43 ft	2.8 kts	0620	34°38.314 N	76°42.258 W	44 ft	"	Ebb	56	2 ft	58	W5	Ø
23	0630	34°38.058 N	76°42.204 W	44 ft	2.9 kts	0715	34°37.890 N	76°42.174 W	45 ft	"	Ebb	56	2 ft	58	WSW5	Ø
24	0725	34°38.229 N	76°41.801 W	44 ft	2.8 kts	0810	34°38.165 N	76°42.409 W	45 ft	"	Ebb	56	2 ft	58	WSW5	Ø
25	0825	34°38.273 N	76°42.422 W	46 ft	2.8 kts	0910	34°38.154 N	76°42.225 W	44 ft	"	Ebb	56	2-3 ft	60	WSW5	Ø
26	0922	34°37.905 N	76°41.917 W	45 ft	2.7 kts	1007	34°38.170 N	76°42.505 W	45 ft	"	Ebb	56	2-3 ft	62	WSW5	Ø
27	1025	34°38.211 N	76°41.703 W	44 ft	2.8 kts	1110	34°38.175 N	76°41.990 W	44 ft	Borrow area	Slack Ebb	56	2-3 ft	64	W5	Ø
28	1120	34°38.261 N	76°42.294 W	45 ft	2.8 kts	[illegible]	34°38.088 N	76°42.259 W	44 ft	Borrow area	Flood	56	3 ft	65	WSW5	Ø
29	1220	34°38.302 N	76°41.712 W	45 ft	2.8 kts	1309	34°38.116 N	76°42.328 W	44 ft	Borrow area	Flood	56	3 ft	66	WSW5	Ø
30	1315	34°38.243 N	76°42.383 W	45 ft	2.8 kts	1400	34°38.117 N	76°41.537 W	44 ft	[illegible]	Flood	56	3-4 ft	70	W5	Ø
31	1411	34°37.954 N	76°41.747 W	45 ft	2.8 kts	1456	34°38.256 N	76°41.147 W	44 ft	[illegible]	Flood	56	3 ft	70	SW5	Ø
32	1506	34°38.336 N	76°41.558 W	45 ft	3.0 kts	1551	34°38.303 N	76°41.189 W	44 ft	Borrow area	Flood	56	3 ft	71	SW5	Ø
33	1602	34°38.333 N	76°41.682 W	45 ft	3.0 kts	1647	34°38.199 N	76°41.875 W	45 ft	Borrow area	Flood	56	3-4 ft	72	SW5	Ø
34	1685	34°37.896 N	76°41.673 W	44 ft	2.9 kts	1740	34°37.897 N	76°42.323 W	45 ft	Borrow area	Flood	56	2-3 ft	72	SWS	Ø
35	1750	34°38.187 N	76°42.232 W	44 ft	2.8 kts	1835	34°37.986 N	76°42.137 W	44 ft	Pump out	Ebb	56	2-3 ft	72	SWS	Ø
36	1840	34°38.166 N	76°42.436 W	45 ft	2.8 kts	1928	34°38.118 N	76°42.447 W	45 ft	Pump out	Ebb	56	2 ft	64	SWS	Ø
37	1940	34°38.270 N	76°42.602 W	45 ft	2.8 kts	2023	34°38.192 N	76°41.948 W	45 ft	pump out	Ebb	56	2 ft	64	SW5	Ø
38	2033	34°38.230 N	76°42.222 W	45 ft	2.8 kts	2118	34°38.149 N	76°41.625 W	45 ft	Pump out	Ebb	56	3 ft	62	NE15	Ø
39	2130	34°38.235 N	76°42.352 W	45 ft	2.8 kts	2214	34°38.113 N	76°42.250 W	45 ft	pump out	Ebb	56	3 ft	62	NE10	Ø
40	2225	34°38.130 N	76°42.724 W	45 ft	2.8 kts	2310	34°38.206 N	76°41.658 W	45 ft	Borrow Area	Slack Flood Ebb	56	3 ft	60	NE5-7	Ø
41	2320	34°38.192 N	76°42.074 W	45 ft	2.8 kts	0005	34°38.191 N	76°41.474 W	44 ft	Borrow area	Flood	56	3 ft	60	NE7	Ø

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