Shellfish Lease Investigation Report						
Investigation Date	7/20/21 & 7/21/21					
	Ghost Fleet Oyster Company, LLC -					
Applicants name	Thomas Faison and Rachel Faison					
Lease Number	21-033BL/21-034WC					
County	Onslow					
Waterbody/location	New River below 172 bridge					
Proposed Lease Size (acres)	4.08					
Lease Type	Bottom/Water Column					
Investigation Team	D. Walters/S. Tripp					
Gear Used	766 - Patent Tong					
Sediment Type	8 - sand (sand in hard and firm strata)					
Bottom Composition	O - no grass					
Depth (m)	1.25					
Tidal Stage	Falling					
Water Temperature (°C)	27					
Salinity (ppt)	30.7					
Dissolved Oxygen (mg/L)	3.62					
Comments on SAV in or around Proposed Lease location Other Species Collected In PNA? In Polluted Area?	No No - Approved					
In Mechanical Clam Harvest Area?	No					
In Mechanical Methods						
Prohibited Area	Yes					
Other Comments						

Application Coordinates		Modified C	oordinates	Actual Coordinates		
34.55916000	-77.34064700	-77.34186652	34.55769128	-77.34184135	34.55767314	
34.55772000	-77.34063600	-77.34300352	34.55767827	-77.34301851	34.55763831	
34.55770700	-77.34177300	-77.34300954	34.55913627	-77.34300801	34.55905448	
34.55916500	-77.34177900	-77.34187755	34.55913128	-77.34188068	34.55906948	

Coordinate Changes 2 of 15

Proposed Shellfish Lease Biological Investigation Sampling Data

Ghost Fleet Oyster Company,
Applicant: LLC - Thomas Faison and Rachel
Faison

Proposed Lease #: 21-033BL/21-034WC

Date: 7/20/21 & 7/21/21

l ease size	Faison Lease size: 4.08 acres # of Sai			# of Samples:	103			
Sample #	Presence of SAV Density class		# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
1	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
3	0	0	0	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
4	0	0	2	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
5	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
6	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
7	0	0	1	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
9	0 0	0	3	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
10	0	0	1	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
11	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
12	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
13 14	0	0	0	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
15	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
16	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
17	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
18 19	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
20	0 0	0	0	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
21	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
22	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
23	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
24 25	0	0	0	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
26	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
27	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
28	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
29 30	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
30 31	0	0	0	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
32	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
33	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
34	0	0	1	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
35 36	0	0	0	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
37	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
38	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
39	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
40 41	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
41	0 0	0	0	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
43	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
44	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
45	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
46 47	0	0	0	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
48	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
49	0	0	1	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
50	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
51 52	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
53	0 0	0	0	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
54	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
55	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
56 57	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
57 58	0	0	0	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
59	0	0	1	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
60	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
61	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
62 63	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
64	1	0	0	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
65	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
66	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
67	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
68 69	0	0	0	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
70	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
71	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
72	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata
73	0	0	1	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
74 75	0	0	0	0	7/20/21 & 7/21/21 7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata) 8 - sand (sand in hard and firm strata)
75 76	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm strata)
77	0	0	0	0	7/20/21 & 7/21/21	NA NA	O - no grass	8 - sand (sand in hard and firm strata)
78	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)

Sample Data 3 of 15

Proposed Shellfish Lease Biological Investigation Sampling Data

Ghost Fleet Oyster Company, Applicant: LLC - Thomas Faison and Rachel

Faison

Proposed Lease #: 21-033BL/21-034WC

Date: 7/20/21 & 7/21/21

Lease size:	4.08	acres		# of Samples:	103			
Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
79	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
80	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
81	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
82	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
83	0	0	1	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
84	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
85	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
86	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
87	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
88	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
89	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
90	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
91	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
92	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
93	0	0	1	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
94	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
95	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
96	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
97	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
98	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
99	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
100	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
101	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
102	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
103	0	0	0	0	7/20/21 & 7/21/21	NA	O - no grass	8 - sand (sand in hard and firm strata)
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	1				1%	OF SAMPLES	CONTAINED SAV	
TOTAL	TOTAL OF EACH SPECIES 0 17			0				
TOTAL BUSH	HELS PER SPECIES	S PER SPECIES 0 0.0425 0 1.669878641 TOTAL BUSHELS OF SHELLFISH PER ACRE			PER ACRE			

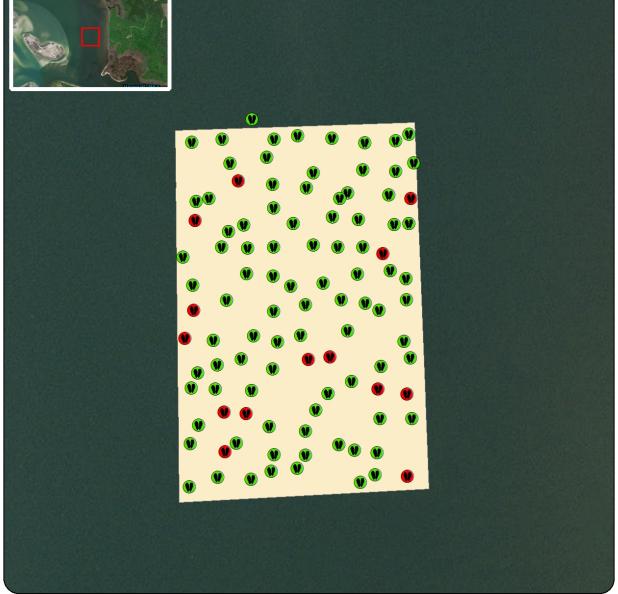
Sample Data 4 of 15

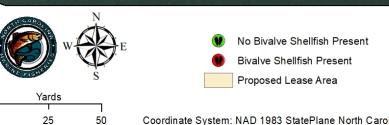
-77.34184135 34.55767314 -77.34301851 34.55763831 -77.34300801 34.55905448 -77.34188068 34.55906948 3433:54416859N 7720:51284075W 34:33:54326858N 77:20:58048074W 3483:46038860N 77 20:51048073W 34,33,45829861N 77,20,581,1107,1W **Proposed Corner Points** Acreage: 4.08 Proposed Lease Area Yards 25 Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet

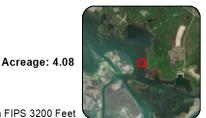
Lease Investigation Map 5 of 15

Acreage: 4.08 Proposed Lease Area 60 120 Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet

Lease Investigation Map 6 of 15







Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet

Lease Investigation Map 7 of 15

No SAV Present SAV Present Acreage: 4.08 Proposed Lease Area Yards 25 Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet

Lease Investigation Map 8 of 15

North Topsail Beach Proposed Lease Area Submerged Aquatic Vegetation Acreage: 4.08 120 Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet

Lease Investigation Map 9 of 15

North Topsail Beach Proposed Lease Area Acreage: 4.08 Approved Yards 60 Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet 120

Lease Investigation Map 10 of 15



Lease Investigation Map 11 of 15



Lease Investigation Map 12 of 15



Lease Investigation Map 13 of 15









Lease Investigation Photos 14 of 15



Lease Investigation Photos 15 of 15