Shellfish Lea	Shellfish Lease Investigation Report					
Investigation Date	5/17 & 5/18, 2021					
Applicants name	Crystal Coast Oysters, LLC - James Kyle Frey					
Lease Number	21-026BL					
County	Carteret					
Waterbody/location	Newport River					
Proposed Lease Size (acres)	3.86					
Lease Type	Bottom					
Investigation Team	S. Tripp/A. Wells					
Gear Used	935 - Hand Sampling					
Sediment Type	8 - sand (sand in hard and firm strata)					
Bottom Composition	O - no grass					
Depth (m)	0.5					
Tidal Stage	Low					
Water Temperature (°C)	4.8					
Salinity (ppt)	26.3					
Dissolved Oxygen (mg/L)	19.9					
Comments on SAV in or around Proposed Lease location Other Species Collected In PNA? In Polluted Area?	No No - Conditionally Approved Open					
In Mechanical Clam Harvest Area?	Yes					
In Mechanical Methods						
Prohibited Area	Yes					
Other Comments	Shares southern two poles with Shepard's Point Oyster Company, LLC - Phillip Lannan					

Application Coordinates	Actual Coordinates			
34.74635900 -76.66568000	34.74626933	-76.66713700		
34.74496500 -76.66679700	34.74635800	-76.66570033		
34.74488900 -76.66762000	34.74493217	-76.66677683		
34.74628300 -76.66712500	34.74490483	-76.66760967		

Bold Italics = shared poles

Coordinate Changes 2 of 12

Proposed Shellfish Lease Biological Investigation Sampling Data

Crystal Coast Oysters, LLC -James Kyle Frey

Applicant: James Kyle Frey Proposed Lease #: 21-026BL Date: 5/17 & 5/18, 2021

	e: 3.86	acres		# of Samples:				
Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
1	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
2	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
3	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
4	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
5	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
6	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
7	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
8	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
9	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
10	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm stra
11	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
12	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
13	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
14	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
15	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
16	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
17	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
18	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
19	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
20	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
21	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
22	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
23	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
24	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
25	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
26	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
27	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
28	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
29	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
30	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
31	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
32	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
33	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
34	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
35	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
36	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
37	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
38	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
39	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
40	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
41	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
42	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
43	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
44	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
45	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
46	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
47	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
48	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
49	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
50	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str
51	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
52	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
53	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
54	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
55	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
56 57	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
57	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
58 59	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
59 60	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
61	0	0	0	0	5/17 & 5/18, 2021 5/17 & 5/18, 2021	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm str 8 - sand (sand in hard and firm str
62	0	0	0	0	5/17 & 5/18, 2021 5/17 & 5/18, 2021	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm str
63	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm str
64	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
65	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
66	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
67	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
68	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
69	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
70	0		0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
70	0	0	0	0	5/17 & 5/18, 2021	NA NA		8 - sand (sand in hard and firm str
71 72	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass	8 - sand (sand in hard and firm str
73	0			0		NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm str
73		0	0		5/17 & 5/18, 2021 5/17 & 5/18, 2021	NA NA		8 - sand (sand in hard and firm str
74 75	0	0	0	0	5/17 & 5/18, 2021	NA NA	O - no grass O - no grass	8 - sand (sand in hard and firm str
75 76					5/17 & 5/18, 2021	NA NA		`
	0	0	0	0		+	O - no grass	8 - sand (sand in hard and firm str
77	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm str

Sample Data 3 of 12

Proposed Shellfish Lease Biological Investigation Sampling Data

Crystal Coast Oysters, LLC -James Kyle Frey Applicant: Proposed Lease #: 21-026BL Date: 5/17 & 5/18, 2021

Lease size:	3.86	acres		# of Samples:	95			
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	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
80	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
81	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
82	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
83	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
84	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
85	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
86	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
87	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
88	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
89	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
90	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
91	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
92	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
93	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
94	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
95	0	0	0	0	5/17 & 5/18, 2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	0				0%	OF SAMPLE	S CONTAINED SAV	<i>I</i>
TOTAL	TOTAL OF EACH SPECIES 0		0	0				
TOTAL BUSH	TOTAL BUSHELS PER SPECIES 0		0	0	0	TOTAL BUSHELS OF SHELLFISH PER ACRE		

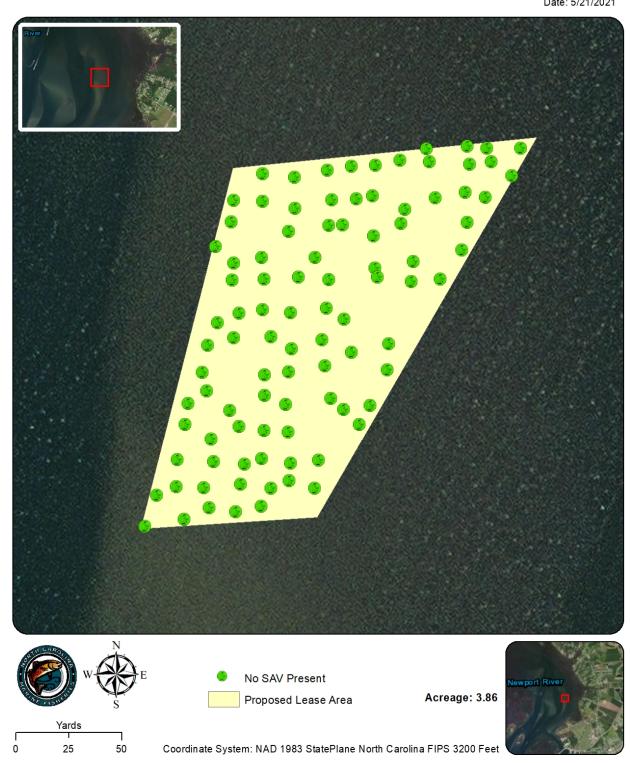
Sample Data 4 of 12

34.74626933 -76.66713700 34.74635800 -76.66570033 34.74493217 -76.66677683 34.74490483 -76.66760967 34.44.77574484N 76.40.02810251W 34 44.69551480N 76 40.00649252W 34,44:6938<mark>7484N</mark> 76,40:05646254W Proposed Corner Points Acreage: 3.86 Proposed Lease Area 25 Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet 50

Lease Investigation Map 5 of 12



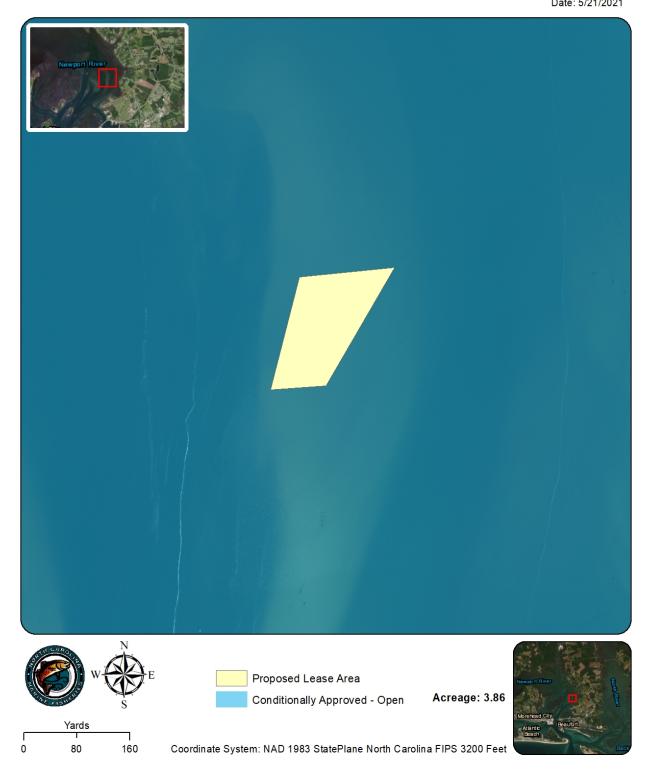
Lease Investigation Map 6 of 12



Lease Investigation Map 7 of 12



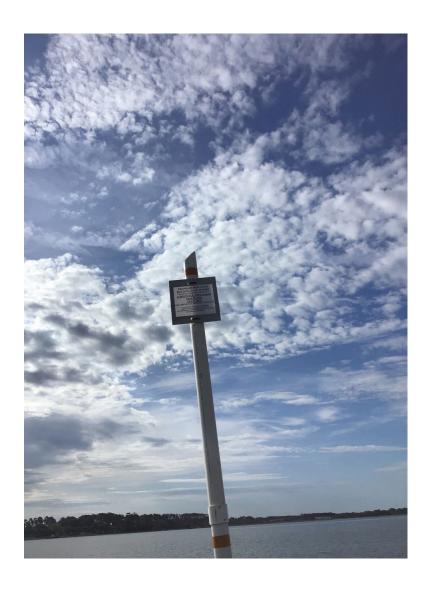
Lease Investigation Map 8 of 12



Lease Investigation Map 9 of 12



Lease Investigation Map 10 of 12





Lease Investigation Photos 11 of 12





Lease Investigation Photos 12 of 12