

Shellfish Lease Investigation Report	
Investigation Date	9/14 & 9/15, 2021
Applicants name	Kinnakeet Oyster Company, LLC - Hans T. Hofe
Lease Number	21-048BL/21-049WC
County	Dare
Waterbody/location	Off Avon Harbor
Proposed Lease Size (acres)	7.35
Lease Type	Bottom/Water Column
Investigation Team	D. Walters/A. Frost/S. Tripp/A. Wells
Gear Used	766 - Patent Tong
Sediment Type	1 - hard sand
Bottom Composition	0 - no grass
Depth (m)	0.5
Tidal Stage	High
Water Temperature (°C)	25.5
Salinity (ppt)	19.6
Dissolved Oxygen (mg/L)	3.17
Comments on SAV in or around Proposed Lease location	
Other Species Collected	
In PNA?	No
In Polluted Area?	No - Approved
In Mechanical Clam Harvest Area?	No
In Mechanical Methods Prohibited Area	Yes
Other Comments	

Application Coordinates		Actual Coordinates	
35.38083000	-75.50583000	35.37921300	-75.50401517
35.38083000	-75.50389000	35.38078550	-75.50394933
35.37917000	-75.50389000	35.37922950	-75.50588617
35.37917000	-75.50583000	35.38078350	-75.50585483

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Kinnakeet Oyster Company,
LLC - Hans T. Hofe

Proposed Lease #: 21-048BL/21-049WC

Date: 9/14 & 9/15, 2021

Lease size: 7.35 acres

of Samples: 185

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	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
2	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
3	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
4	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
5	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
6	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
7	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
8	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
9	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
10	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
11	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
12	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
13	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
14	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
15	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
16	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
17	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
18	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
19	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
20	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
21	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
22	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
23	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
24	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
25	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
26	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
27	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
28	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
29	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
30	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
31	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
32	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
33	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
34	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
35	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
36	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
37	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
38	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
39	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
40	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
41	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
42	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
43	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
44	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
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46	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
47	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
48	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
49	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
50	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
51	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
52	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
53	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand

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Lease size: 7.35 acres

of Samples: 185

Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
54	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
55	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
56	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
57	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
58	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
59	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
60	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
61	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
62	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
63	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
64	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
65	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
66	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
67	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
68	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
69	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
70	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
71	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
72	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
73	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
74	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
75	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
76	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
77	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
78	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
79	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
80	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
81	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
82	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
83	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
84	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
85	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
86	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
87	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
88	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
89	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
90	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
91	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
92	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
93	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
94	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
95	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
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106	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand

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107	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
108	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
109	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
110	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
111	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
112	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
113	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
114	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
115	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
116	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
117	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
118	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
119	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
120	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
121	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
122	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
123	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
124	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
125	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
126	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
127	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
128	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
129	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
130	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
131	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
132	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
133	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
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135	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
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138	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
139	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
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142	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
143	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
144	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
145	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
146	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
147	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
148	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
149	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
150	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
151	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
152	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
153	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
154	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
155	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
156	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
157	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
158	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
159	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand

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LLC - Hans T. Hofe

Proposed Lease #: 21-048BL/21-049WC

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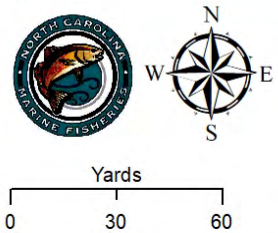
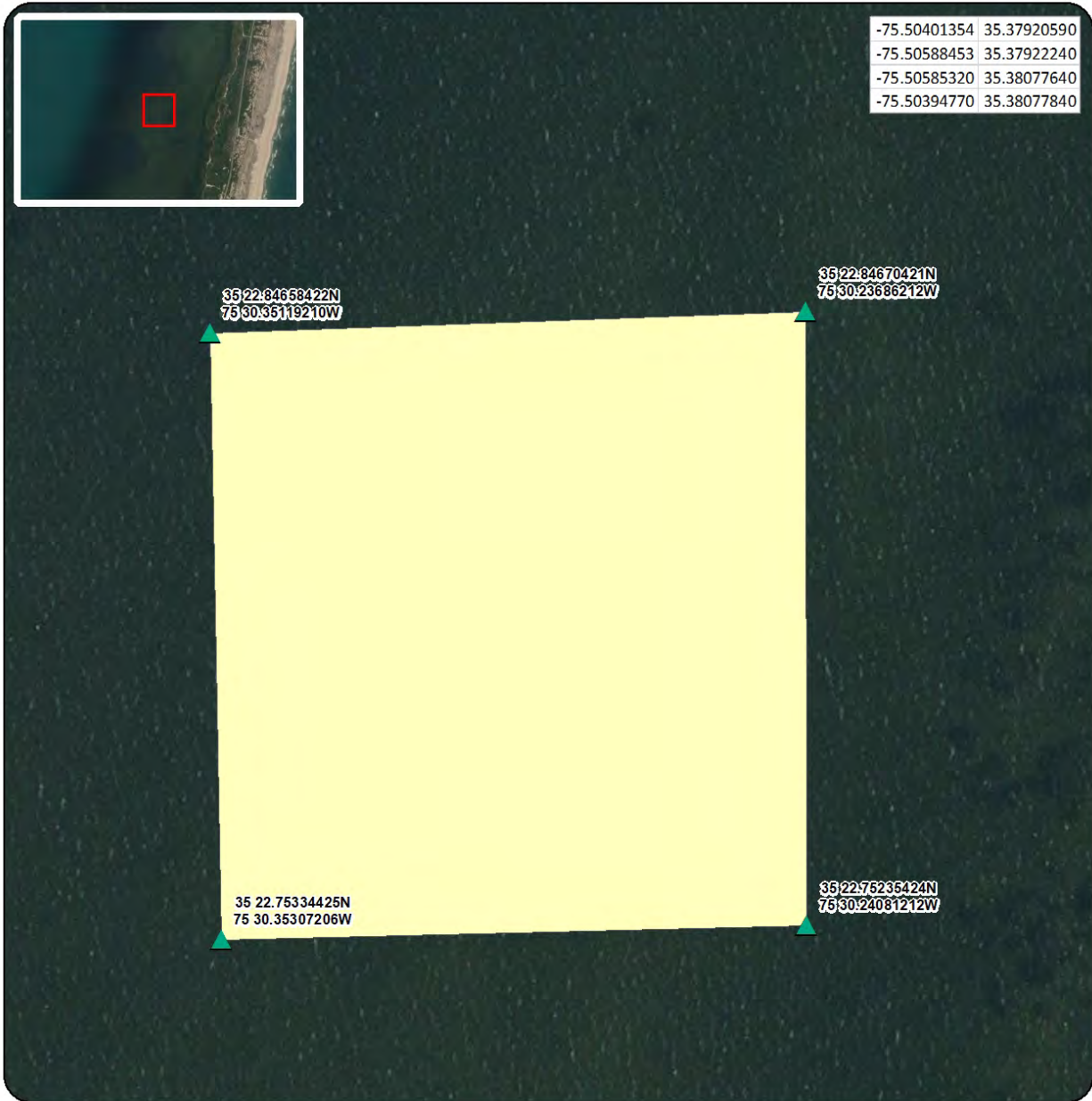
Lease size: 7.35 acres

of Samples: 185

Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
160	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
161	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
162	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
163	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
164	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
165	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
166	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
167	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
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169	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
170	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
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172	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
173	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
174	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
175	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
176	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
177	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
178	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
179	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
180	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
181	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
182	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
183	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
184	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
185	0	0	0	0	9/14 & 9/15, 2021	NA	O - no grass	1 - hard sand
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	0				0%	OF SAMPLES CONTAINED SAV		
TOTAL OF EACH SPECIES		0	0	0				
TOTAL BUSHELS PER SPECIES		0	0	0	0	TOTAL BUSHELS OF SHELLFISH PER ACRE		

Proposed Lease ID/Number: 21-048BL/21-049WC
 Kinnakeet Oyster Company, LLC - Hans T. Hofe

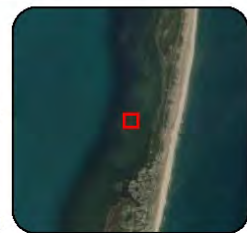
Date: 9/16/2021



▲ Proposed Corner Points
 ■ Proposed Lease Area

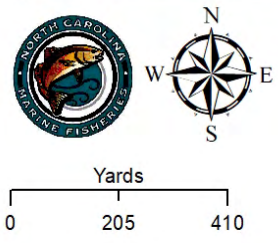
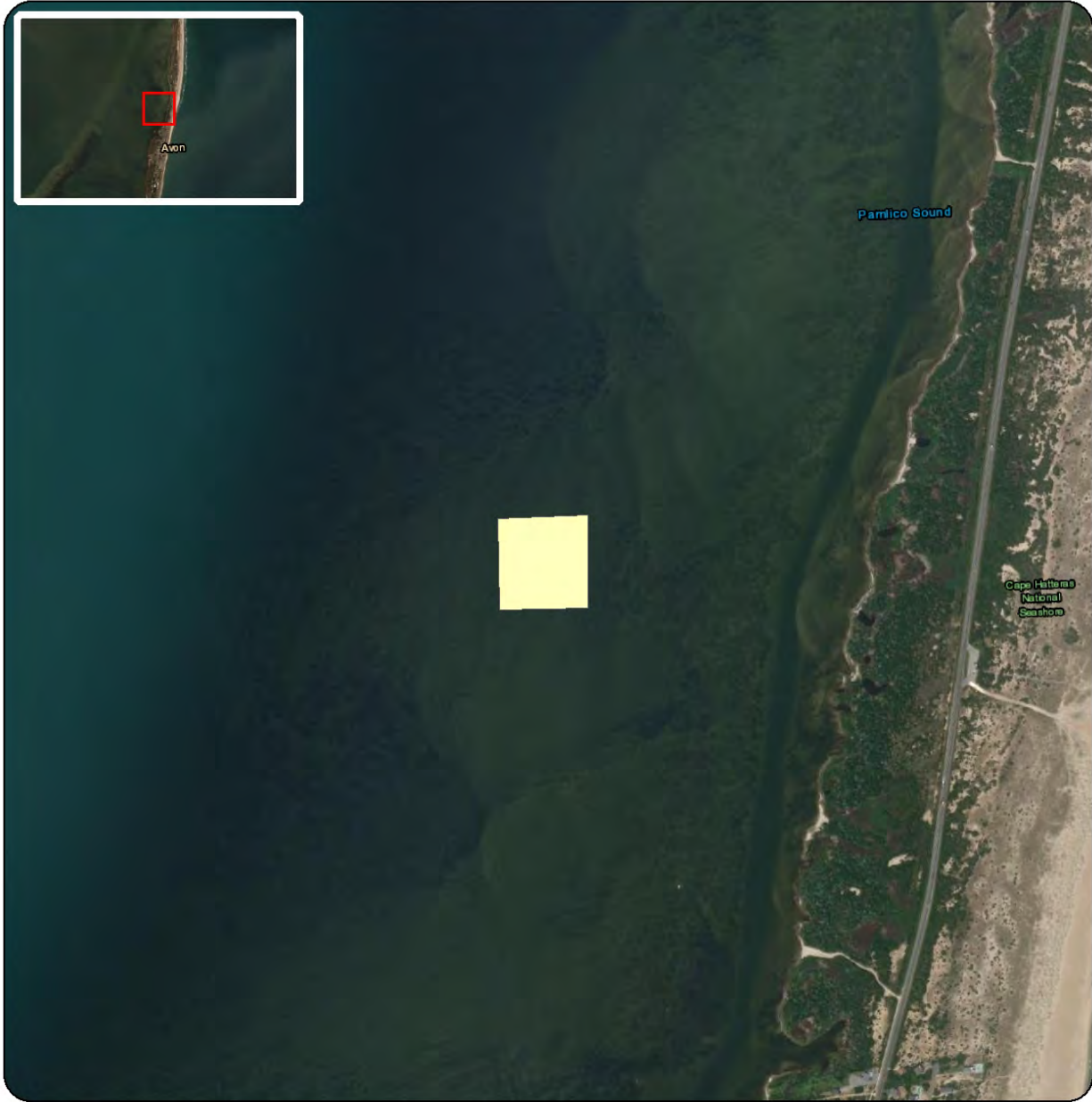
Acreage: 7.35

Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



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Date: 9/16/2021



Proposed Lease Area

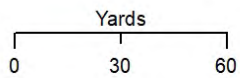
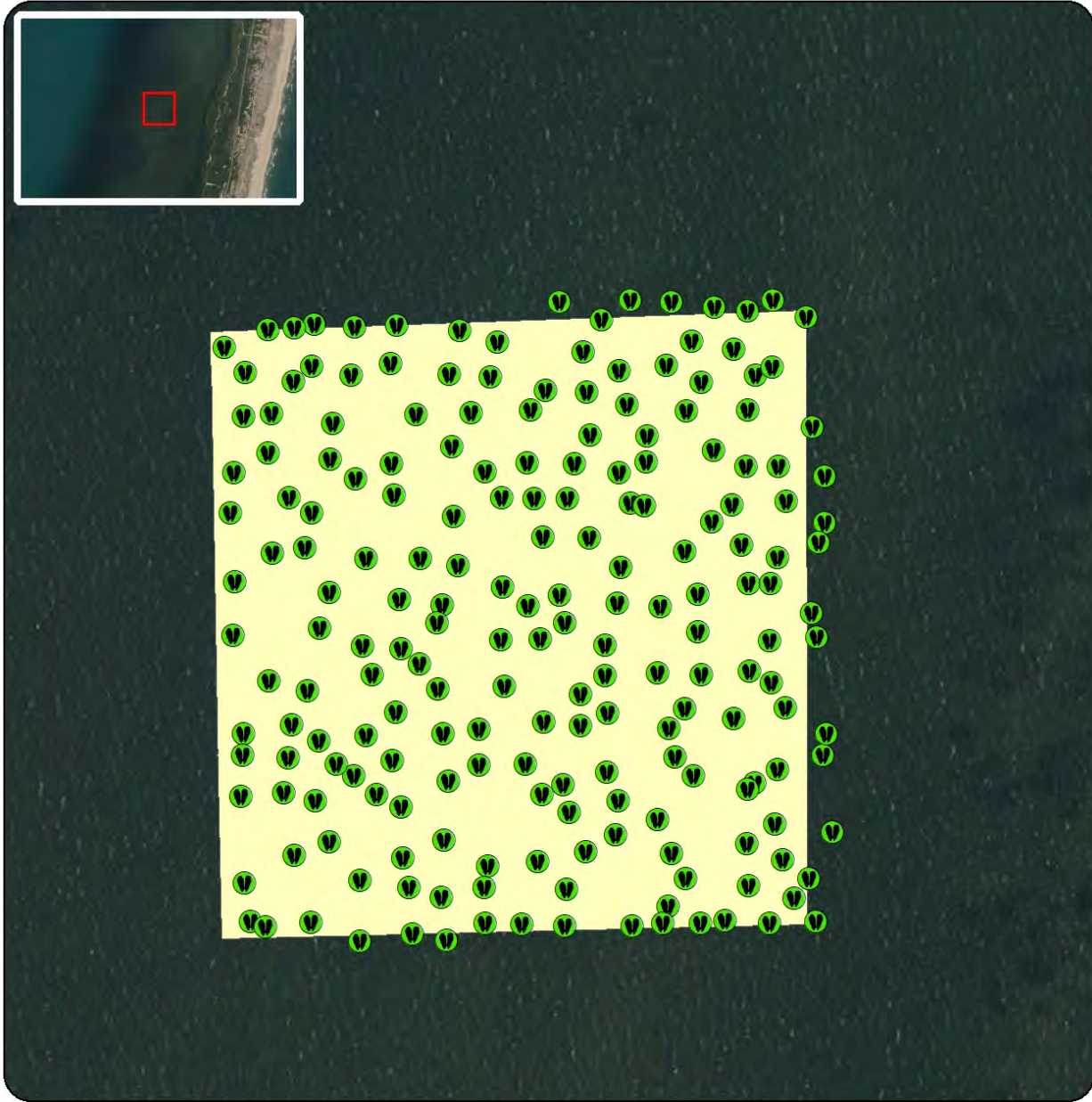
Acreage: 7.35

Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



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Kinnakeet Oyster Company, LLC - Hans T. Hofe

Date: 9/16/2021



- No Bivalve Shellfish Present
- Proposed Lease Area

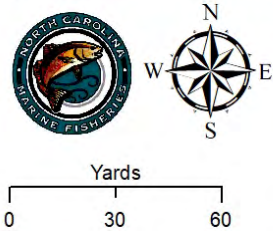
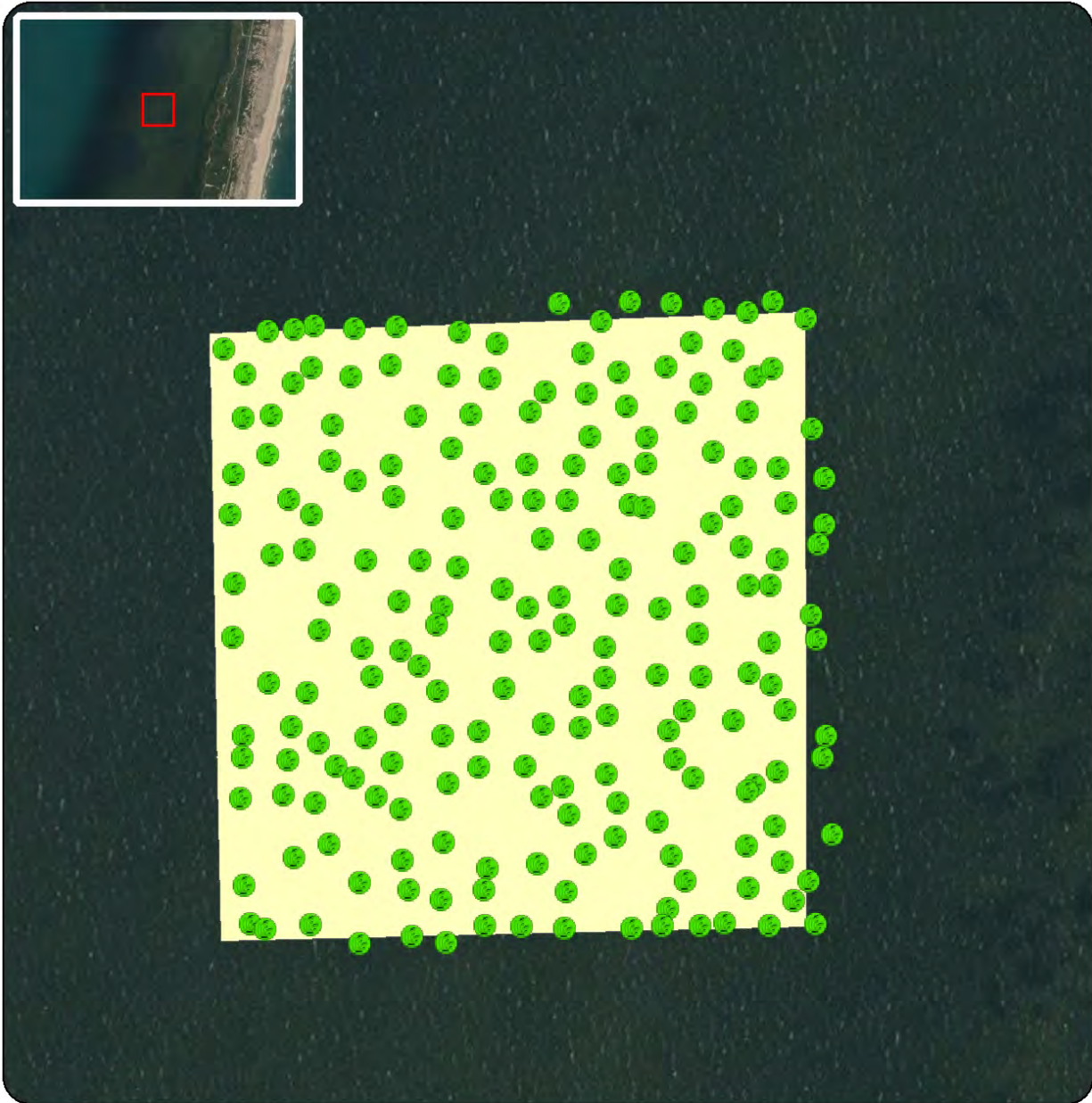
Acreage: 7.35



Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



Proposed Lease ID/Number: 21-048BL/21-049WC
Kinnakeet Oyster Company, LLC - Hans T. Hofe

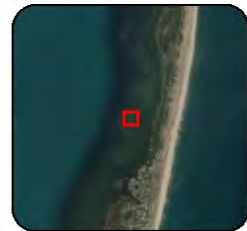
Date: 9/16/2021



-  No SAV Present
-  Proposed Lease Area

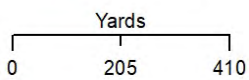
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
Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



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Kinnakeet Oyster Company, LLC - Hans T. Hofe

Date: 9/16/2021



-  Submerged Aquatic Vegetation
-  Proposed Lease Area

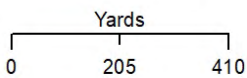
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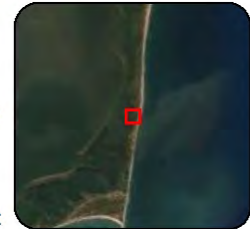
Date: 9/16/2021



- Proposed Lease Area
- Approved

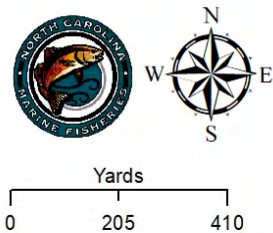
Acreage: 7.35

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Kinnakeet Oyster Company, LLC - Hans T. Hofe

Date: 9/16/2021



Proposed Lease Area

Lease Type

Other Proposed - Water Column

Other Proposed - Bottom

Acreage: 7.35

Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



