

<b>Shellfish Lease Investigation Report</b>	
<b>Investigation Date</b>	4/18/2024 and 4/23/2024
<b>Applicants name</b>	Jacob Milchuck
<b>Lease Number</b>	24-003BL/24-004WC
<b>County</b>	Craven
<b>Waterbody/location</b>	535200000/Adams Creek
<b>Proposed Lease Size (acres)</b>	9.05
<b>Lease Type</b>	Bottom/Water Column
<b>Investigation Team</b>	S. Tripp, A. Frost, R. Farnell
<b>Gear Used</b>	766 - Patent Tong
<b>Sediment Type</b>	9 - Mud
<b>Bottom Composition</b>	O - no grass
<b>Depth (m)</b>	1.5
<b>Tidal Stage</b>	Y - Flood (high)
<b>Water Temperature (°C)</b>	20.2
<b>Salinity (ppt)</b>	15.8
<b>Dissolved Oxygen (mg/L)</b>	7.6
<b>Comments on SAV in or around Proposed Lease location</b>	
<b>Other Species Collected</b>	
<b>In PNA?</b>	No
<b>In Polluted Area?</b>	No: Approved
<b>In Mechanical Clam Harvest Area?</b>	No
<b>In Oyster Mechanical Methods Prohibited Area</b>	No
<b>Other Comments</b>	

<b>Application Coordinates</b>	
34.950536	-76.677230
34.949568	-76.674553
34.948152	-76.675669
34.949045	-76.677244

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Jacob Milchuck

Proposed Lease #: 24-003BL/24-004WC

Date: 4/18/2024 and 4/23/2024

Lease size: 9.05 acres # of Samples: 226

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	4/18/2024	NA	O - no grass	9 - Mud
2	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
3	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
4	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
5	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
6	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
7	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
8	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
9	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
10	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
11	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
12	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
13	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
14	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
15	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
16	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
17	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
18	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
19	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
20	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
21	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
22	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
23	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
24	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
25	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
26	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
27	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
28	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
29	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
30	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
31	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
32	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
33	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
34	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
35	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
36	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
37	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
38	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
39	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
40	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
41	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
42	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
43	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
44	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
45	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
46	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
47	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
48	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
49	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
50	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
51	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
52	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
53	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
54	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
55	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
56	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
57	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
58	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
59	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
60	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
61	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
62	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
63	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
64	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
65	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
66	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
67	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
68	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
69	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
70	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
71	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
72	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
73	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
74	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
75	0	0	0	0	4/18/2024	NA	O - no grass	9 - Mud
76	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
77	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud

**Proposed Shellfish Lease Biological Investigation Sampling Data**

Applicant: Jacob Milchuck

Proposed Lease #: 24-003BL/24-004WC

Date: 4/18/2024 and 4/23/2024

Lease size: 9.05 acres # of Samples: 226

Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
78	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
79	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
80	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
81	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
82	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
83	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
84	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
85	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
86	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
87	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
88	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
89	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
90	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
91	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
92	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
93	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
94	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
95	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
96	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
97	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
98	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
99	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
100	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
101	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
102	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
103	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
104	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
105	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
106	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
107	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
108	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
109	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
110	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
111	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
112	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
113	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
114	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
115	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
116	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
117	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
118	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
119	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
120	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
121	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
122	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
123	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
124	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
125	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
126	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
127	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
128	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
129	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
130	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
131	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
132	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
133	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
134	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
135	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
136	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
137	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
138	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
139	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
140	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
141	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
142	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
143	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
144	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
145	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
146	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
147	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
148	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
149	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
150	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
151	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
152	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
153	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
154	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud

### Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Jacob Milchuck

Proposed Lease #: 24-003BL/24-004WC

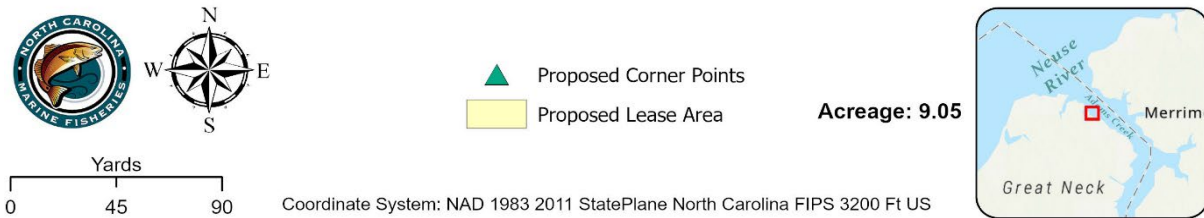
Date: 4/18/2024 and 4/23/2024

Lease size: 9.05 acres # of Samples: 226

Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
155	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
156	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
157	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
158	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
159	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
160	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
161	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
162	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
163	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
164	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
165	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
166	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
167	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
168	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
169	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
170	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
171	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
172	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
173	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
174	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
175	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
176	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
177	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
178	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
179	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
180	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
181	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
182	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
183	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
184	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
185	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
186	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
187	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
188	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
189	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
190	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
191	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
192	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
193	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
194	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
195	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
196	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
197	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
198	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
199	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
200	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
201	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
202	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
203	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
204	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
205	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
206	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
207	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
208	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
209	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
210	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
211	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
212	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
213	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
214	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
215	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
216	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
217	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
218	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
219	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
220	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
221	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
222	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
223	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
224	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
225	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
226	0	0	0	0	4/23/2024	NA	O - no grass	9 - Mud
	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	0.00	TOTAL BUSHELS OF SHELLFISH PER ACRE		

# Proposed Lease ID/Number: 24-003BL/24-004WC Jacob Milchuck

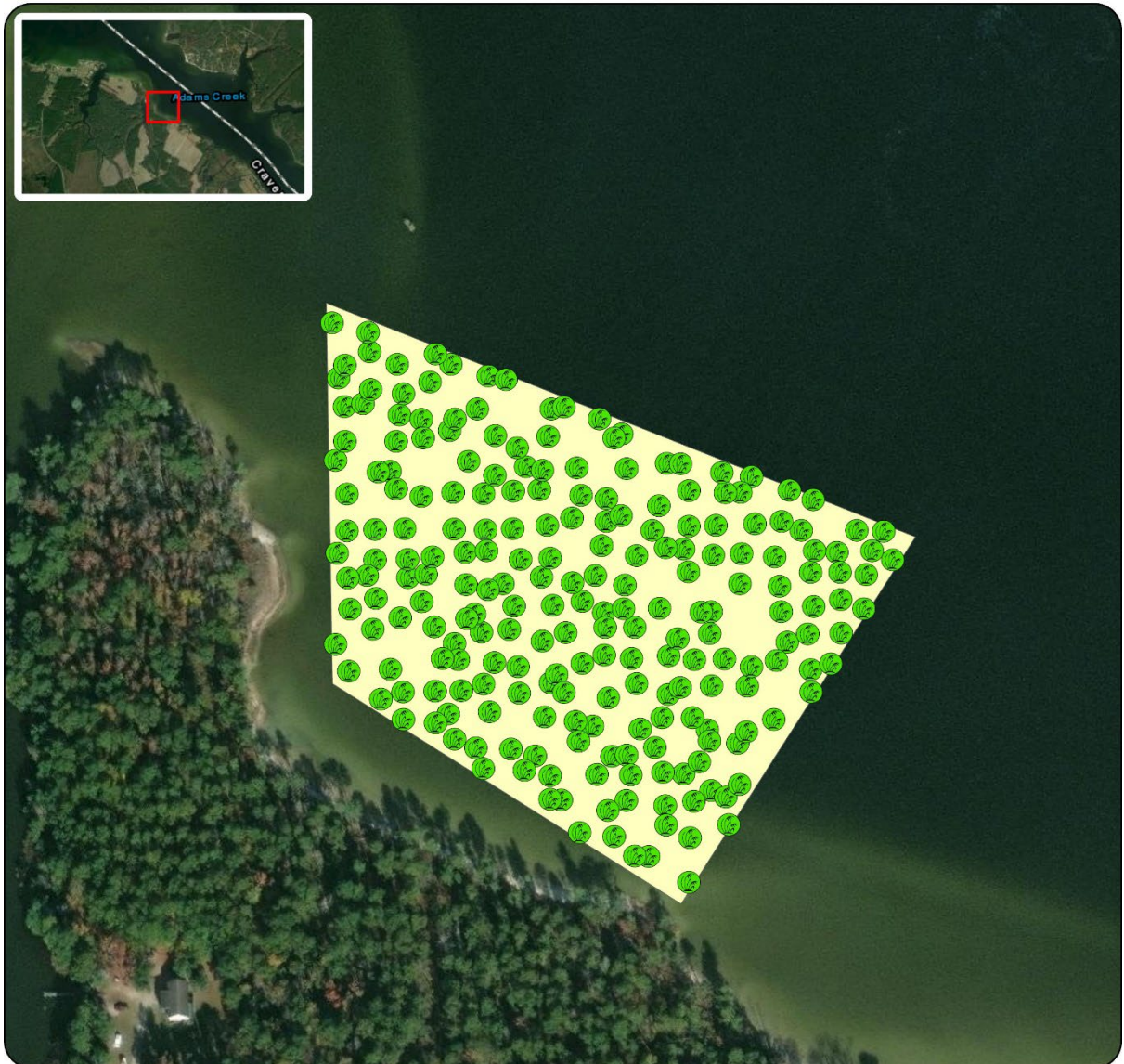
Date: 7/12/2024





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Jacob Milchuck

Date: 7/12/2024



SAV Density

None - 0

Proposed Lease Area

**Acreage: 9.05**

Coordinate System: NAD 1983 2011 StatePlane North Carolina FIPS 3200 Ft US



Proposed Lease ID/Number: 24-003BL/24-004WC  
Jacob Milchuck

Date: 7/12/2024



Shellfish Present



No



Proposed Lease Area

Acreage: 9.05

Coordinate System: NAD 1983 2011 StatePlane North Carolina FIPS 3200 Ft US





Proposed Lease ID/Number: 24-003BL/24-004WC  
Jacob Milchuck

Date: 7/12/2024



 Proposed Lease Area

**Acreage: 9.05**

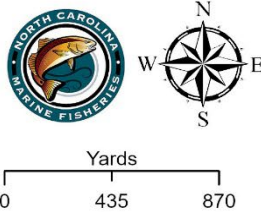


Coordinate System: NAD 1983 2011 StatePlane North Carolina FIPS 3200 Ft US



Proposed Lease ID/Number: 24-003BL/24-004WC  
Jacob Milchuck

Date: 7/12/2024



Shellfish Growing Area Classification

- Approved
- Closed Shellfish Harvest Area - Prohibited
- Proposed Lease Area

**Acreage: 9.05**

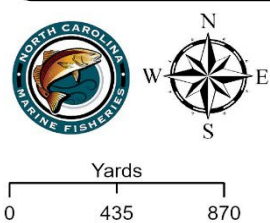
Coordinate System: NAD 1983 2011 StatePlane North Carolina FIPS 3200 Ft US





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Jacob Milchuck

Date: 7/12/2024



- Other Proposed - Bottom
- Other Proposed - Water Column
- Bottom
- Water Column
- Proposed Lease Area

**Acreage: 9.05**

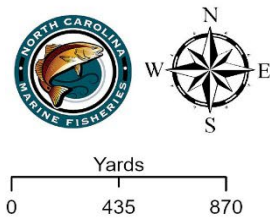
Coordinate System: NAD 1983 2011 StatePlane North Carolina FIPS 3200 Ft US





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Jacob Milchuck

Date: 7/12/2024



- Navigational Channel Centerline
- Setback
- Proposed Lease Area

**Acreage: 9.05**

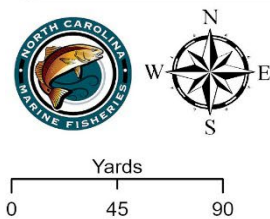
Coordinate System: NAD 1983 2011 StatePlane North Carolina FIPS 3200 Ft US





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- Duck Blind
- Proposed Lease Area

**Acreage: 9.05**



Coordinate System: NAD 1983 2011 StatePlane North Carolina FIPS 3200 Ft US















