

<b>Shellfish Lease Investigation Report</b>	
<b>Investigation Date</b>	8/22/2023
<b>Applicants name</b>	Shawn Burns
<b>Lease Number</b>	23-046BL/23-047WC
<b>County</b>	Onslow
<b>Waterbody/location</b>	Mainland Areas (near Topsail Sound)
<b>Proposed Lease Size (acres)</b>	3.85
<b>Lease Type</b>	Bottom/Water Column
<b>Investigation Team</b>	A. Frost/S. Tripp
<b>Gear Used</b>	766 - Patent Tong
<b>Sediment Type</b>	7 - sandy mud
<b>Bottom Composition</b>	O - no grass
<b>Depth (m)</b>	0.5
<b>Tidal Stage</b>	Low
<b>Water Temperature (°C)</b>	30.5
<b>Salinity (ppt)</b>	37
<b>Dissolved Oxygen (mg/L)</b>	4.5
<b>Comments on SAV in or around Proposed Lease location</b>	
<b>Other Species Collected</b>	
<b>In PNA?</b>	Yes
<b>In Polluted Area?</b>	No: Conditionally Approved - Open
<b>In Mechanical Clam Harvest Area?</b>	No
<b>In Mechanical Methods Prohibited Area</b>	Yes
<b>Other Comments</b>	

Application Coordinates		Actual Coordinates	
34.46532100	-77.51452400	34.46364733	-77.51480250
34.46469200	-77.51369800	34.46470350	-77.51371283
34.46366400	-77.51481900	34.46531983	-77.51454500
34.46433100	-77.51560200	34.46434033	-77.51559600

## Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: **Shawn Burns**

Proposed Lease #: **23-046BL/23-047WC**

Date: **8/22/2023**

Lease size: **3.85** acres

# of Samples: **97**

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	8/22/2023	NA	O - no grass	7 - sandy mud
2	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
3	0	0	1	0	8/22/2023	NA	O - no grass	7 - sandy mud
4	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
5	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
6	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
7	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
8	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
9	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
10	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
11	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
12	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
13	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
14	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
15	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
16	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
17	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
18	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
19	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
20	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
21	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
22	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
23	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
24	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
25	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
26	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
27	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
28	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
29	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
30	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
31	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
32	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
33	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
34	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
35	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
36	0	0	1	0	8/22/2023	NA	O - no grass	7 - sandy mud
37	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
38	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
39	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
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54	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
55	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
56	0	0	2	0	8/22/2023	NA	O - no grass	7 - sandy mud
57	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
58	0	0	1	0	8/22/2023	NA	O - no grass	7 - sandy mud
59	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
60	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
61	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
62	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud

## Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: **Shawn Burns**

Proposed Lease #: **23-046BL/23-047WC**

Date: **8/22/2023**

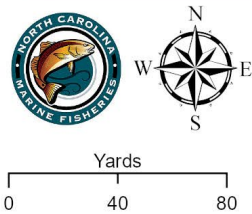
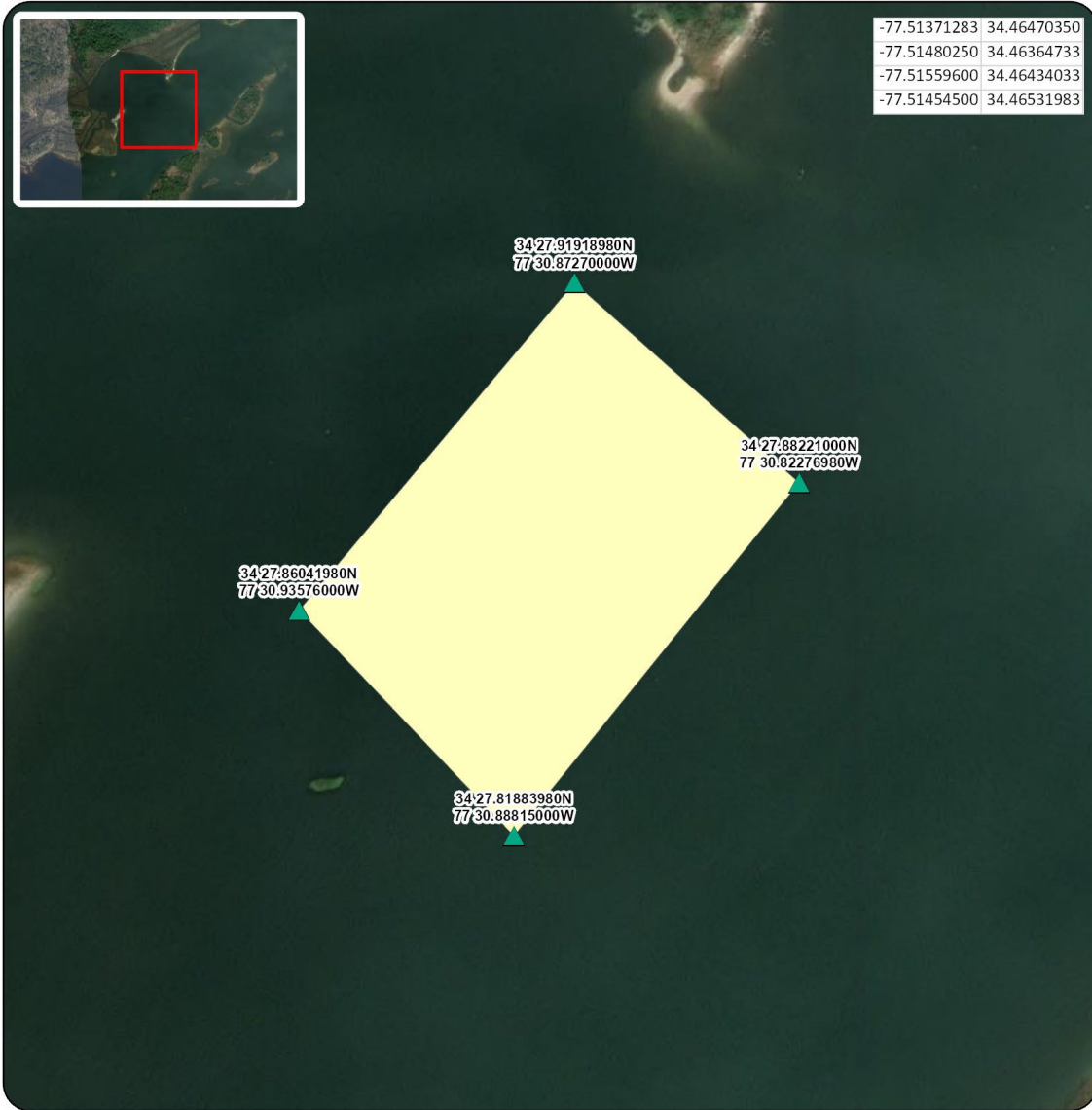
Lease size: **3.85** acres

# of Samples: **97**

Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
63	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
64	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
65	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
66	0	0	1	0	8/22/2023	NA	O - no grass	7 - sandy mud
67	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
68	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
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71	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
72	0	0	2	0	8/22/2023	NA	O - no grass	7 - sandy mud
73	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
74	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
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76	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
77	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
78	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
79	0	0	2	0	8/22/2023	NA	O - no grass	7 - sandy mud
80	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
81	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
82	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
83	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
84	0	0	1	0	8/22/2023	NA	O - no grass	7 - sandy mud
85	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
86	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
87	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
88	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
89	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
90	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
91	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
92	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
93	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
94	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
95	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
96	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
97	0	0	0	0	8/22/2023	NA	O - no grass	7 - sandy mud
	<b>SAV</b>	<b>Oysters (Eastern Oyster)</b>	<b>Clams (Quahogs)</b>	<b>Scallops</b>				
	0				0%	OF SAMPLES CONTAINED SAV		
<b>TOTAL OF EACH SPECIES</b>		0	11	0				
<b>TOTAL BUSHELS PER SPECIES</b>		0	0.0275	0	1.15	<b>TOTAL BUSHELS OF SHELLFISH PER ACRE</b>		

# Proposed Lease ID/Number: 23-046BL/23-047WC Shawn Burns

Date: 8/23/2023



▲ Proposed Corner Point  
■ Proposed Lease Area

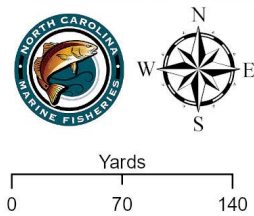
**Acreage: 3.85**

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



Proposed Lease ID/Number: 23-046BL/23-047WC  
Shawn Burns

Date: 8/24/2023



Proposed Lease Area

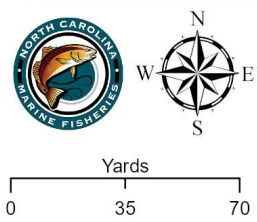
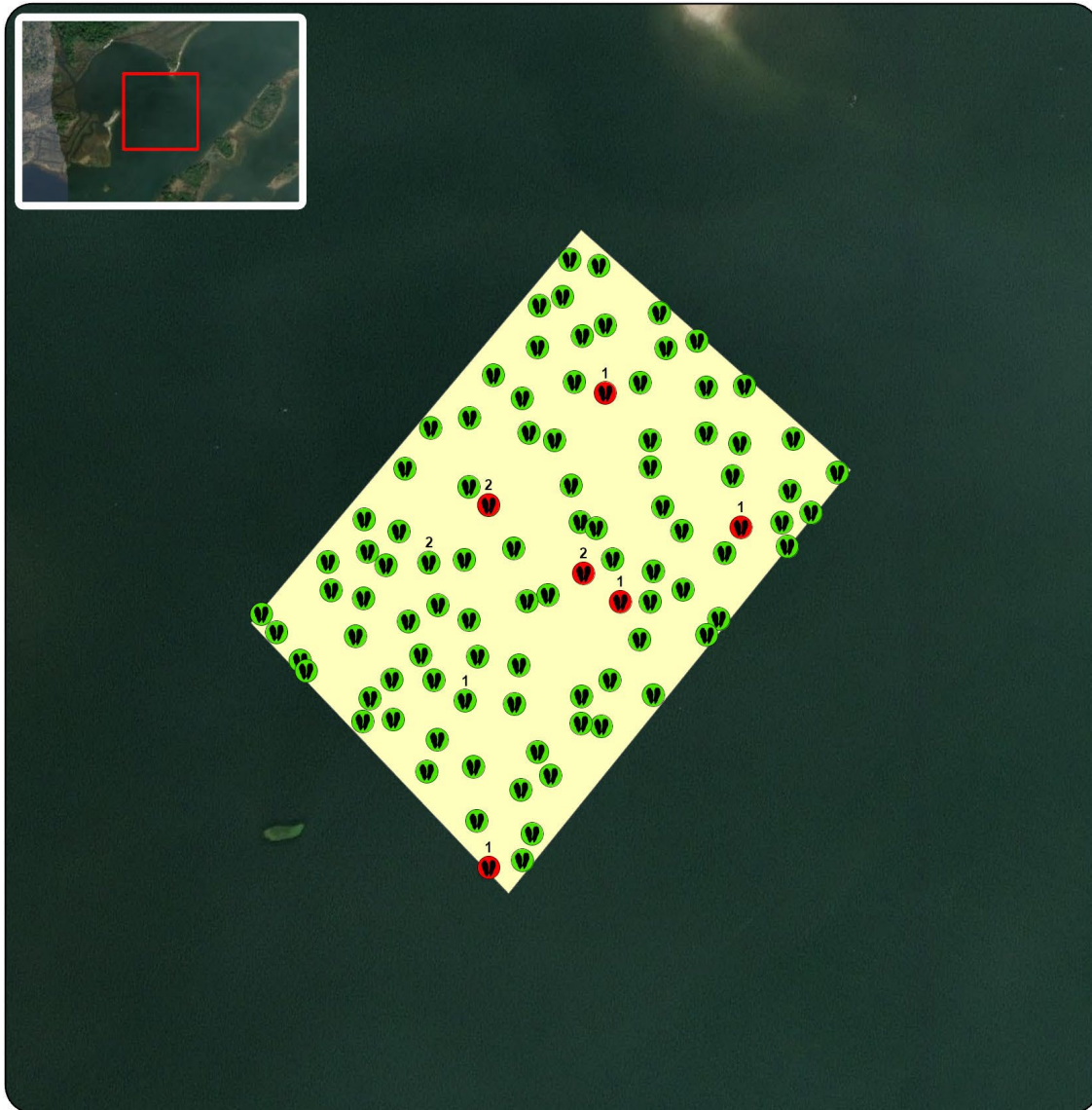
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Shellfish Present  
No  
Yes  
Proposed Lease Area

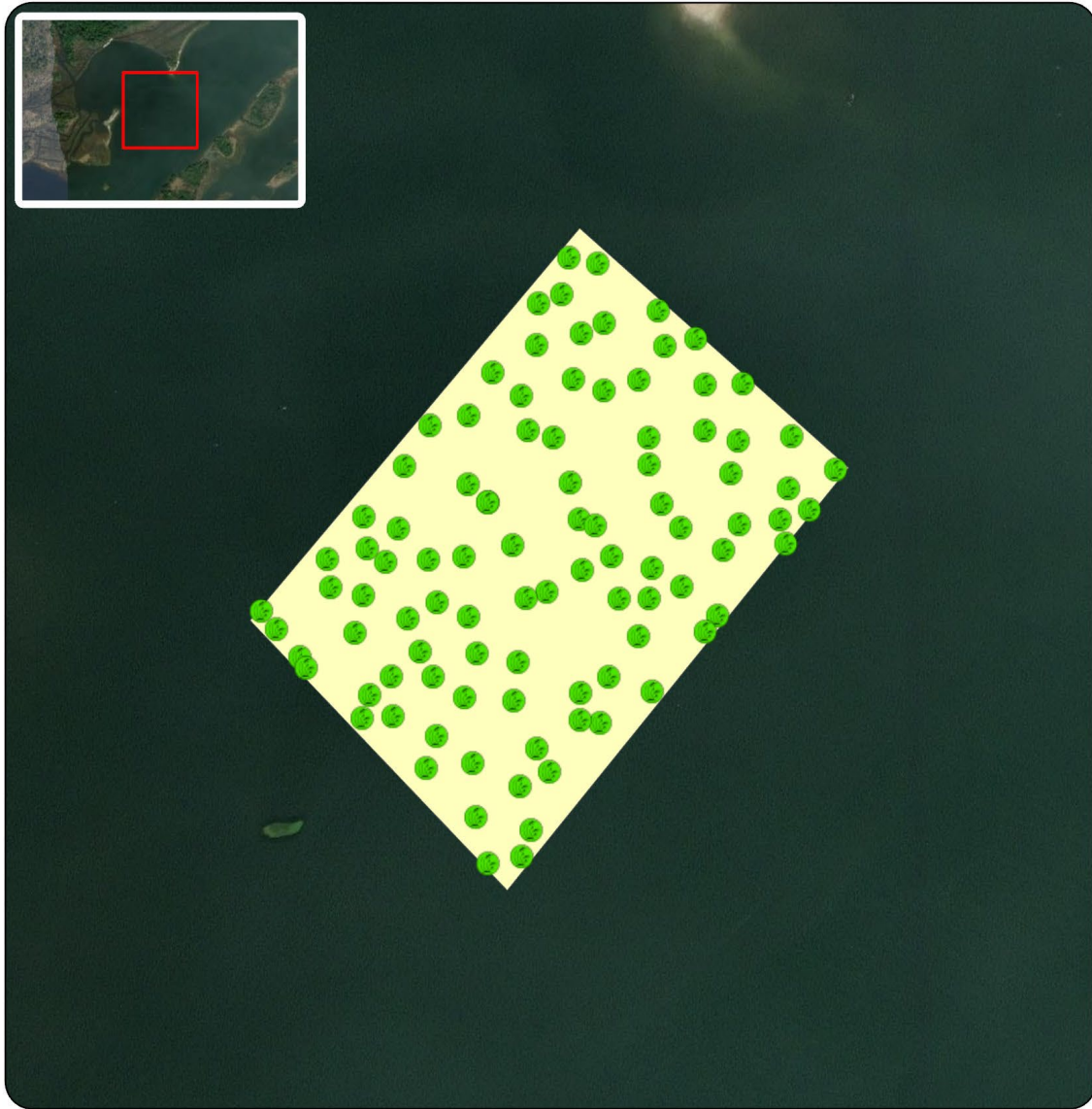
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- No SAV Present
- Proposed Lease Area

**Acreage: 3.85**

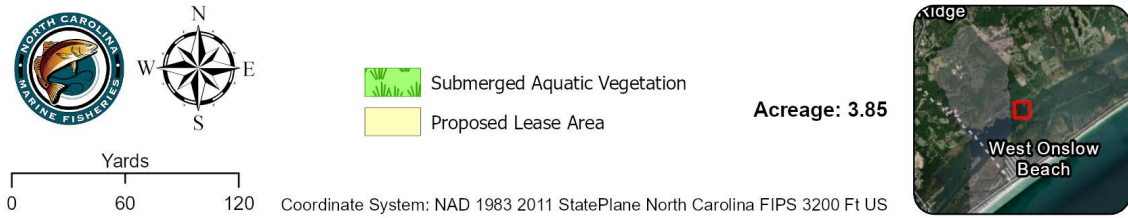
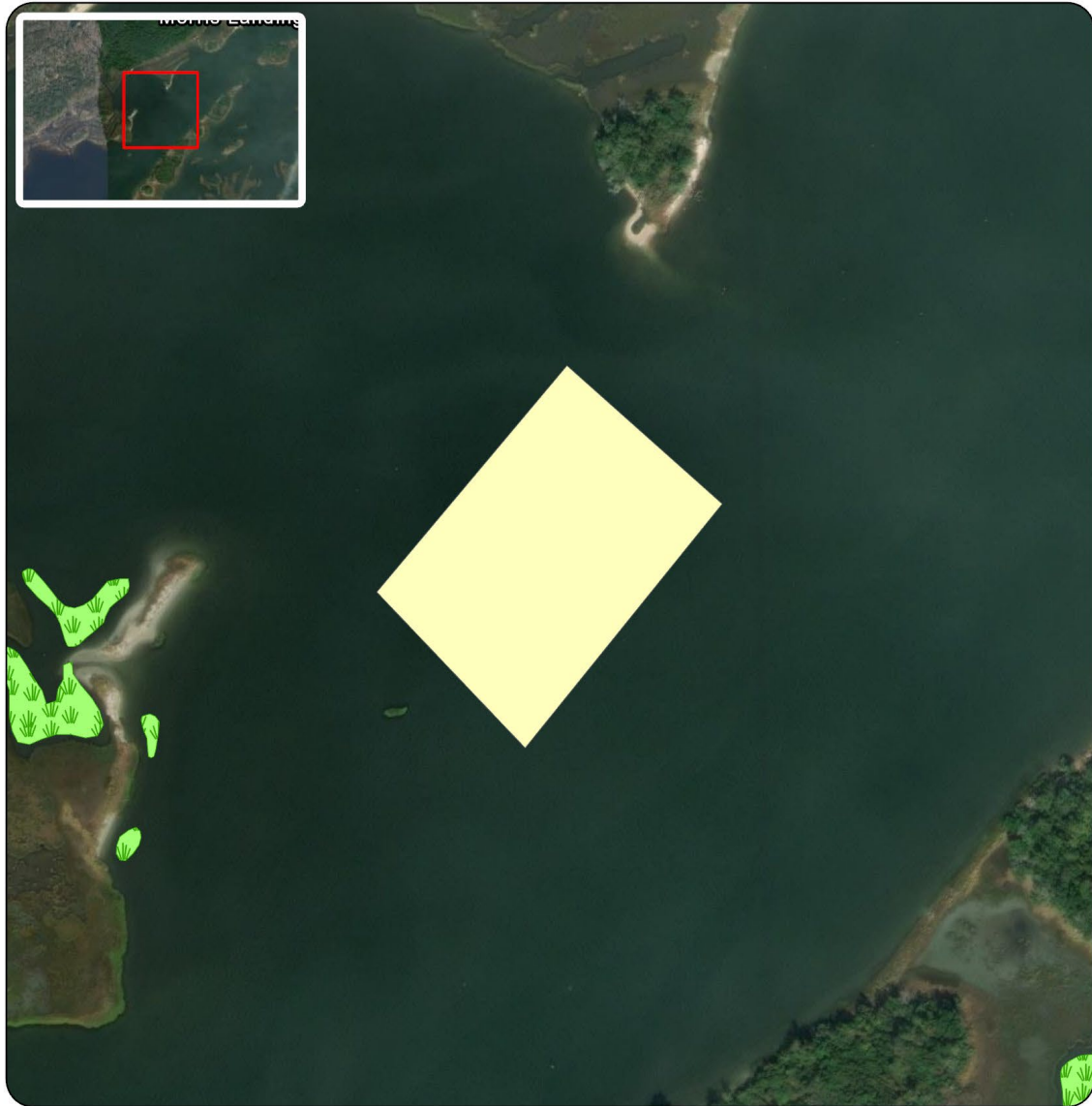
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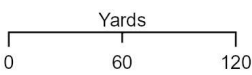
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Date: 8/24/2023



SGA Classification

- Conditionally Approved - Open
- Proposed Lease Area

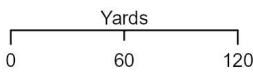
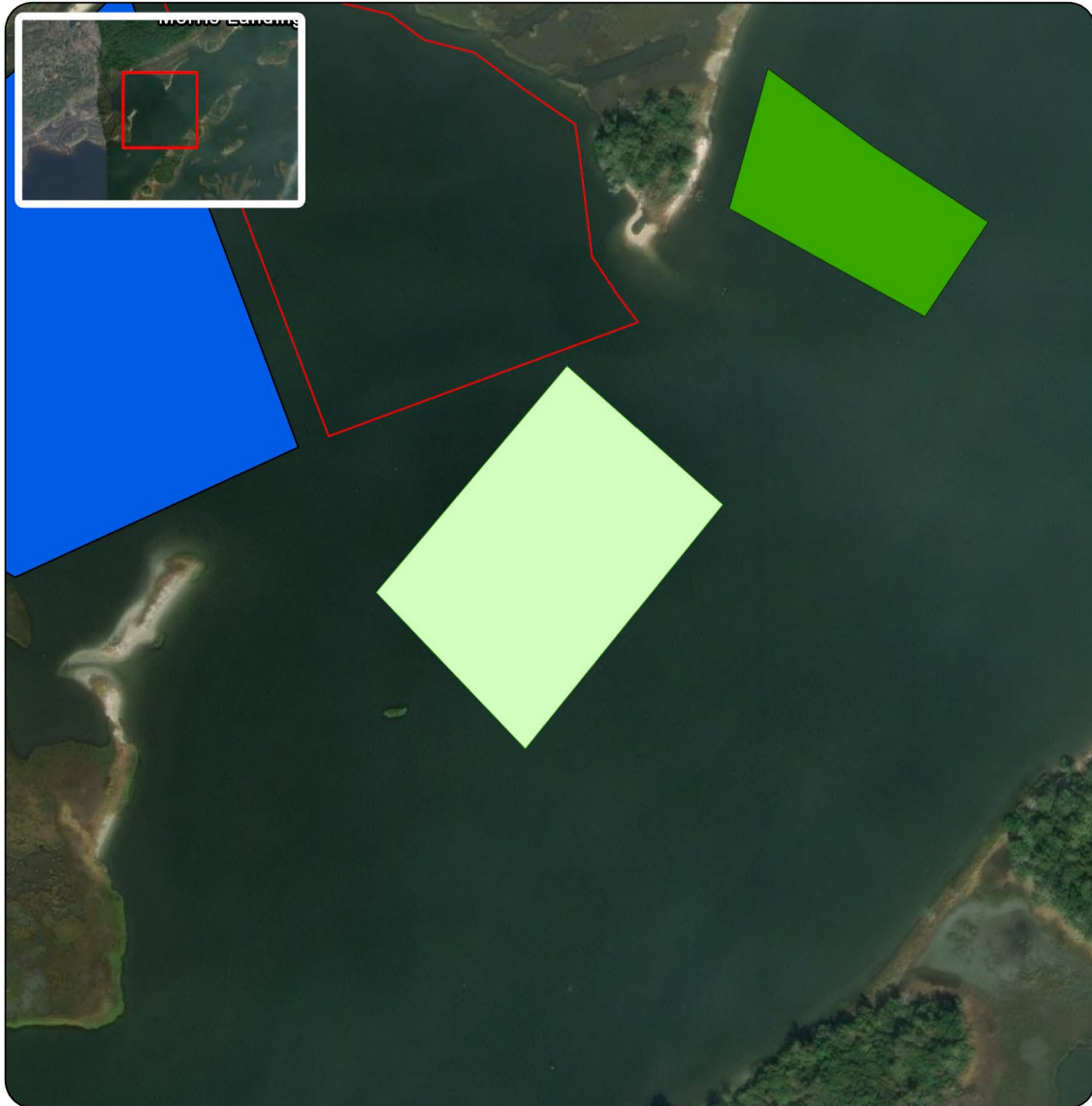
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Shawn Burns

Date: 8/24/2023



Lease Type

- Proposed - Bottom
- Proposed - Water Column
- Bottom
- Water Column
- Terminated

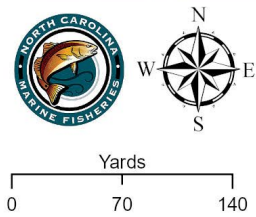
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- ICW Setback
- Federal Navigation Channel (ICW)
- Proposed Lease Area

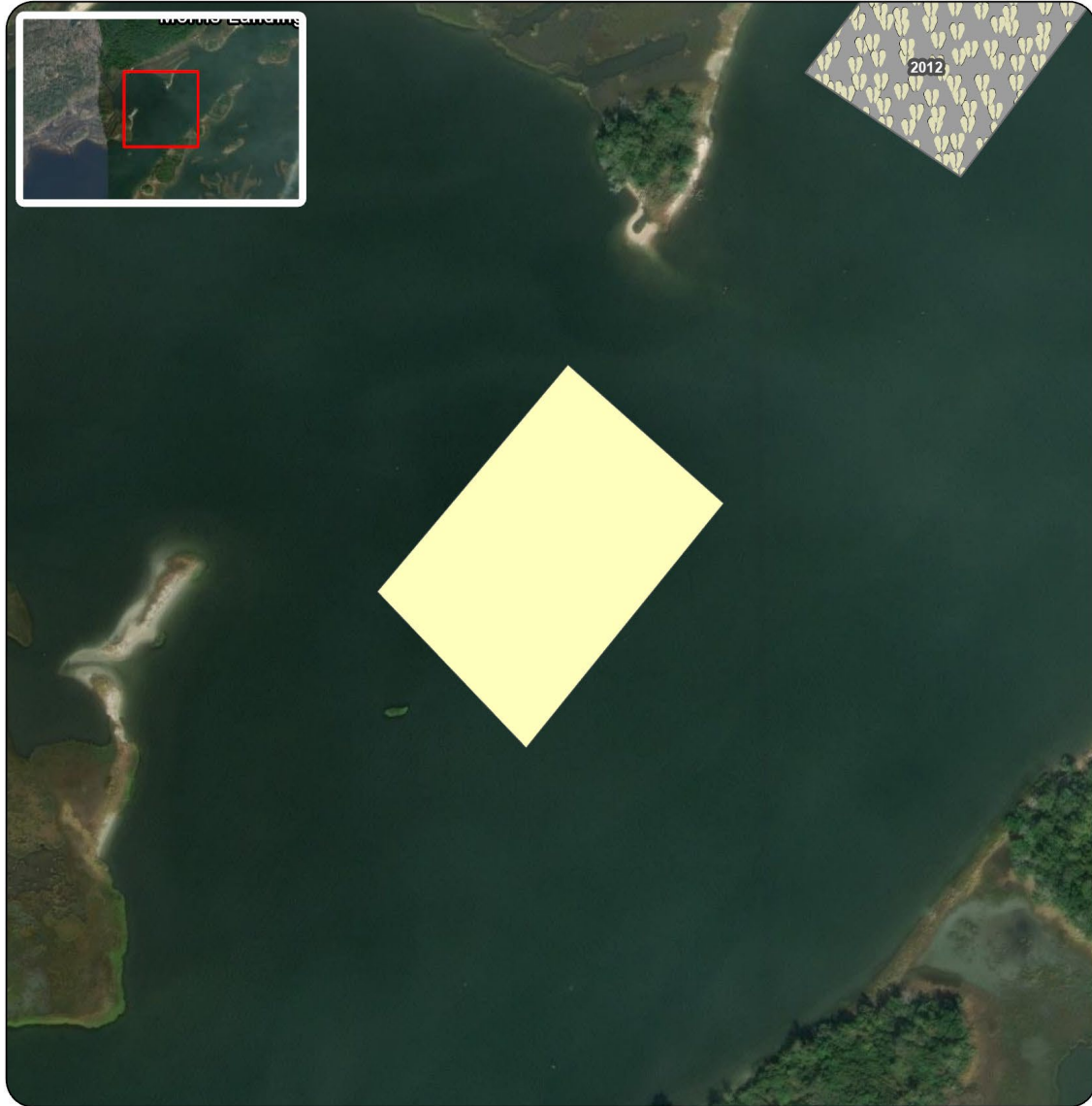
**Acreage: 3.85**



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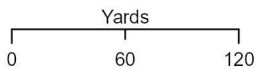
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Date: 8/24/2023



-  Cultch Planted Site
-  Proposed Lease Area

**Acreage: 3.85**



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



