

Shellfish Lease Investigation Report	
Investigation Date	8/21/24 and 8/22/24
Applicants name	Thomas A. Cannon
Lease Number	24-024BL
County	Pender
Waterbody/location	1402030000/Bank Channel
Proposed Lease Size (acres)	1.33
Lease Type	Bottom Lease
Investigation Team	ST/AF/EE
Gear Used	766 - Patent Tong
Sediment Type	1 - Hard sand
Bottom Composition	O - no grass
Depth Sample Average (m)	1.5
Tidal Stage	I - High
Water Temperature (°C)	26.6
Salinity (ppt)	36.2
Dissolved Oxygen (mg/L)	5.8
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 Oyster Mechanical Methods Prohibited Area	Yes
Depth Samples (in meters)	
Depth NW Corner (1)	1.3
Depth NE Corner (2)	1.7
Depth SE Corner (3)	1.5
Depth SW Corner(4)	1.5
Other Comments	

Application Coordinates	
Latitude	Longitude
34.401903	-77.592068
34.401873	-77.591608
34.400760	-77.591378
34.400573	-77.591748

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Thomas A. Cannon

Proposed Lease #: 24-0248L

Date: 8/21/24 and 8/22/24

Lease size: 1.33 acres # of Samples: 33

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	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
2	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
3	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
4	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
5	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
6	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
7	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
8	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
9	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
10	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
11	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
12	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
13	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
14	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
15	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
16	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
17	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
18	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
19	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
20	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
21	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
22	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
23	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
24	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
25	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
26	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
27	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
28	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
29	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
30	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
31	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
32	0	0	0	0	8/21/24 and 8/22/24	NA	O - no grass	1 - Hard sand
33	0	0	0	0	8/21/24 and 8/22/24	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	0.00	TOTAL BUSHELS OF SHELLFISH PER ACRE		

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Date: 12/30/2024



Pole Nbr	Latitude	Longitude
1	34.401903	-77.592068
2	34.401873	-77.591608
3	34.400763	-77.591378
4	34.400573	-77.591748

1
34° 24.1142' N
77° 35.5241' W

2
34° 24.1124' N
77° 35.4965' W

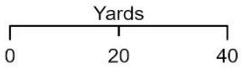
3
34° 24.0458' N
77° 35.4827' W

4
34° 24.0344' N
77° 35.5049' W



▲ Proposed Corner Points
 ■ Proposed Lease Area

Acreage: 1.33

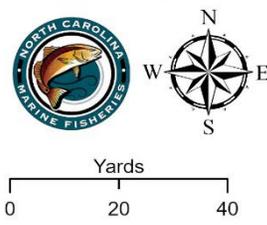


Coordinate System: NAD 1983 2011 StatePlane North Carolina FIPS 3200 Ft US



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- No SAV Present
- Proposed Lease Area

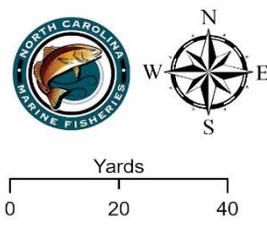
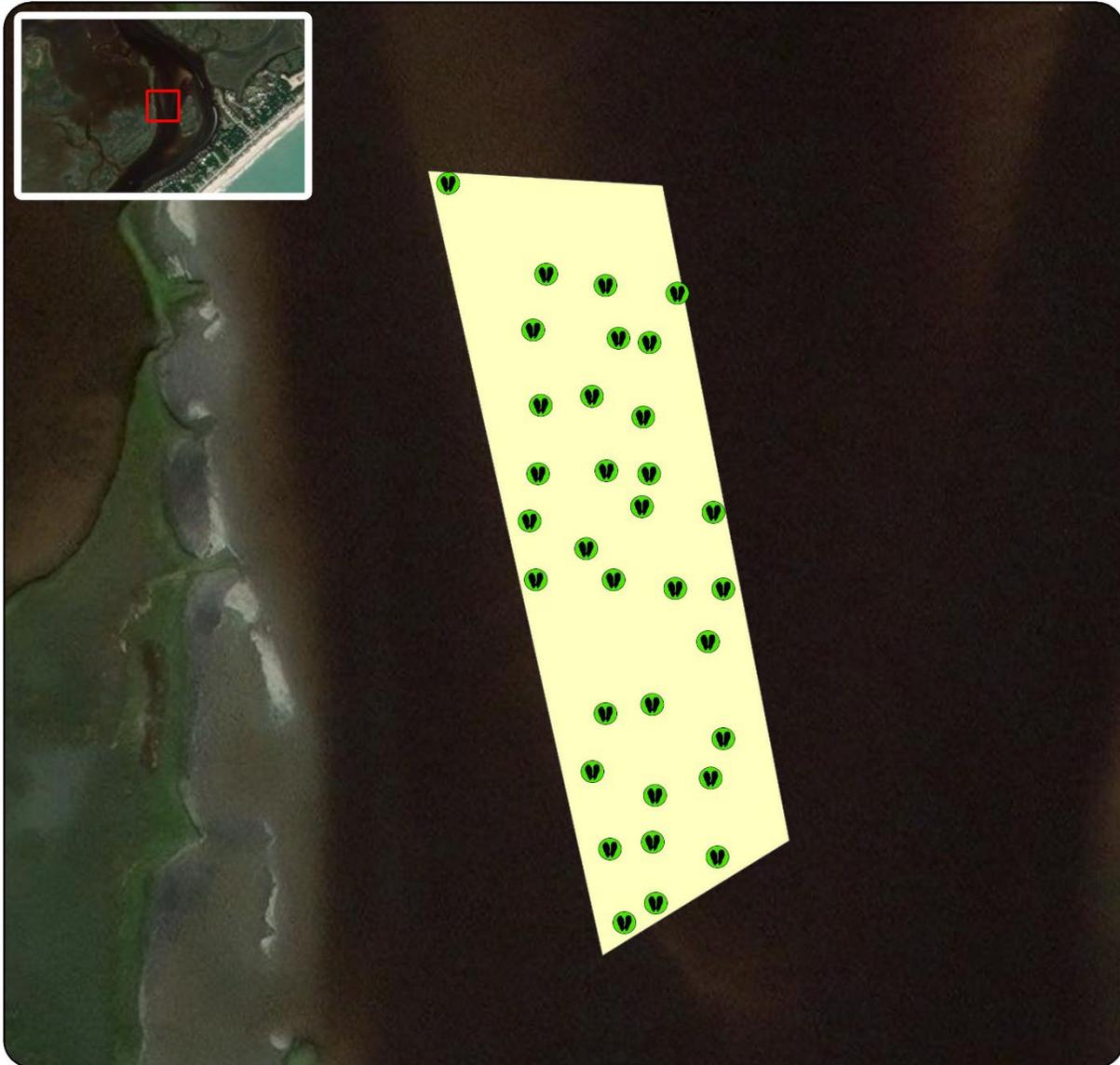
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Shellfish Present
● No
■ Proposed Lease Area

Acreage: 1.33

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 Proposed Lease Area

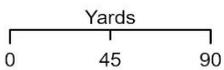
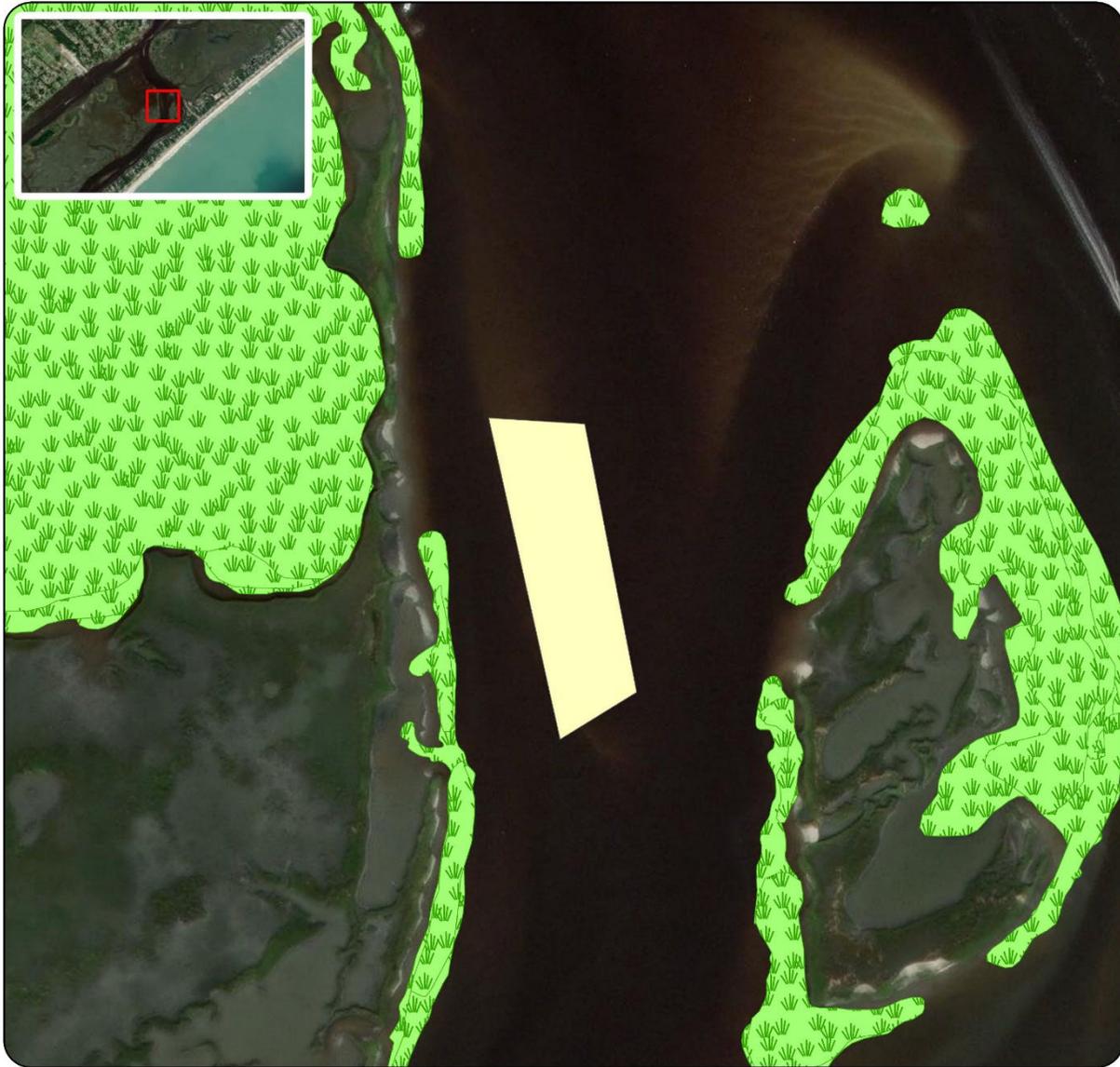
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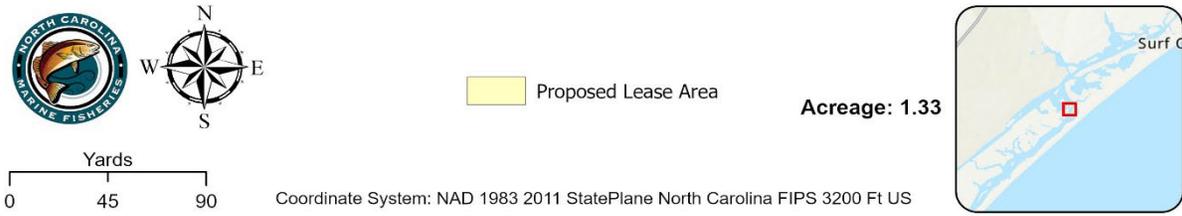
Proposed Lease Area
Submerged Aquatic Vegetation **Acreage: 1.33**

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- Proposed Lease Area
- Bottom
- Water Column

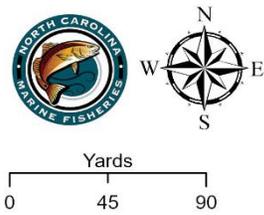
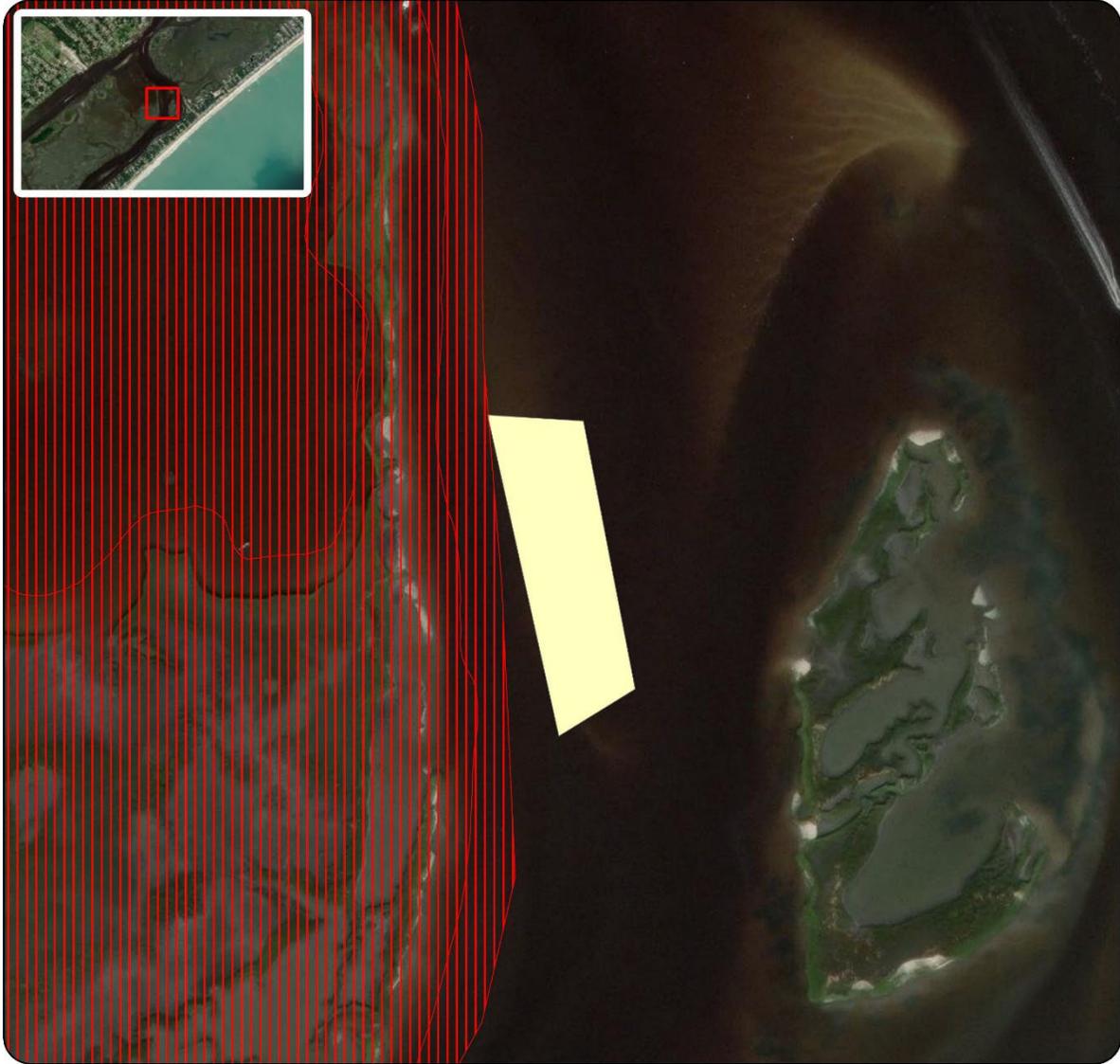
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-  Primary Nursery Areas
-  Proposed Lease Area

Acreage: 1.33

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