

<b>Shellfish Lease Investigation Report</b>	
<b>Investigation Date</b>	9/11/2024
<b>Applicants name</b>	UNC-IMS Demonstration Lease- Thomas J. Clerkin
<b>Lease Number</b>	24-038BLWC-RD
<b>County</b>	Carteret
<b>Waterbody/location</b>	0801000000/Newport River
<b>Proposed Lease Size (acres)</b>	0.97
<b>Lease Type</b>	Research
<b>Investigation Team</b>	E. Ellis/ C. Grady/ S. Tripp
<b>Gear Used</b>	766 - Patent Tong
<b>Sediment Type</b>	8 - Sand
<b>Bottom Composition</b>	O - no grass
<b>Depth (m) NW Corner</b>	2.1
<b>Depth (m) NE Corner</b>	1.6
<b>Depth (m) SE Corner</b>	1.5
<b>Depth (m) SW Corner</b>	1.8
<b>Average Depth (m)</b>	1.75
<b>Tidal Stage</b>	I - High
<b>Water Temperature (°C)</b>	24.6
<b>Salinity (ppt)</b>	36.2
<b>Dissolved Oxygen (mg/L)</b>	6.9
<b>Comments on SAV in or around Proposed Lease location</b>	N/A
<b>Other Species Collected</b>	N/A
<b>In PNA?</b>	No
<b>In Polluted Area?</b>	No: Conditionally Approved - Open
<b>In Mechanical Clam Harvest Area?</b>	No
<b>In Oyster Mechanical Methods Prohibited Area</b>	Yes
<b>Other Comments</b>	

<b>Application Coordinates</b>	
Latitude	Longitude
34.733592	-76.685716
34.733201	-76.684956
34.732838	-76.685261
34.733232	-76.686000

**Proposed Shellfish Lease Biological Investigation Sampling Data**

Applicant: IS Demonstration Lease- Thomas J.

Proposed Lease #: 24-038BLWC-RD

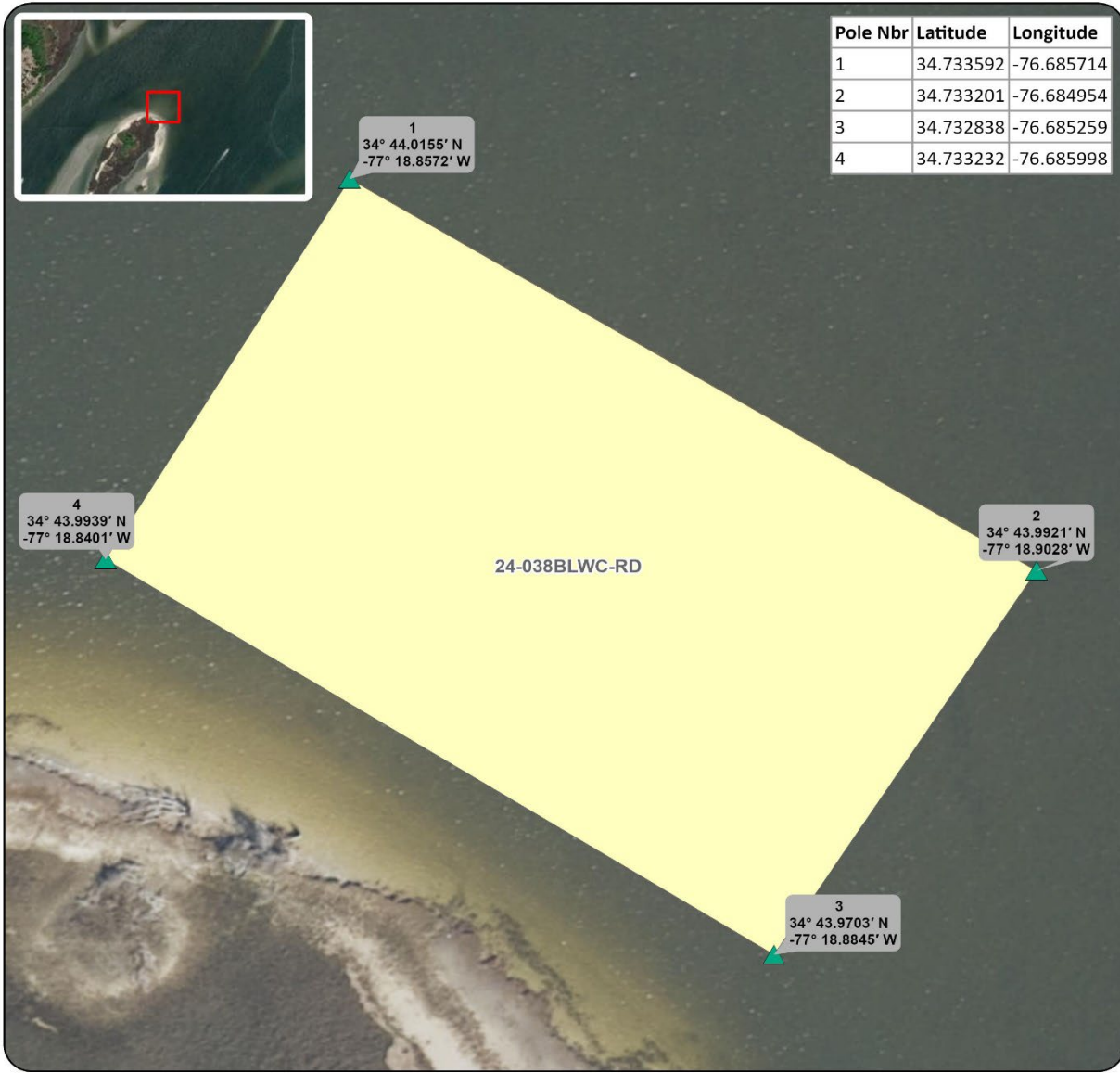
Date: 9/11/2024

Lease size: 0.97 acres # of Samples: 24

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	9/11/2024	NA	O - no grass	8 - Sand
2	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
3	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
4	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
5	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
6	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
7	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
8	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
9	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
10	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
11	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
12	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
13	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
14	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
15	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
16	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
17	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
18	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
19	0	0	1	0	9/11/2024	NA	O - no grass	8 - Sand
20	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
21	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
22	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
23	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
24	0	0	0	0	9/11/2024	NA	O - no grass	8 - Sand
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	0				0%	OF SAMPLES CONTAINED SAV		
<b>TOTAL OF EACH SPECIES</b>		0	1	0				
<b>TOTAL BUSHELS PER SPECIES</b>		0	0.0025	0	0.42	TOTAL BUSHELS OF SHELLFISH PER ACRE		

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Date: 12/19/2024



Pole Nbr	Latitude	Longitude
1	34.733592	-76.685714
2	34.733201	-76.684954
3	34.732838	-76.685259
4	34.733232	-76.685998

1  
 34° 44.0155' N  
 -77° 18.8572' W

4  
 34° 43.9939' N  
 -77° 18.8401' W

2  
 34° 43.9921' N  
 -77° 18.9028' W

3  
 34° 43.9703' N  
 -77° 18.8845' W

24-038BLWC-RD



▲ Proposed Corner Pts  
 ■ Proposed Lease Area

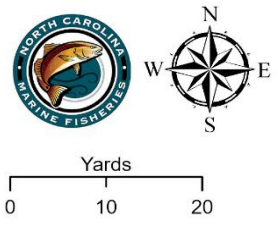
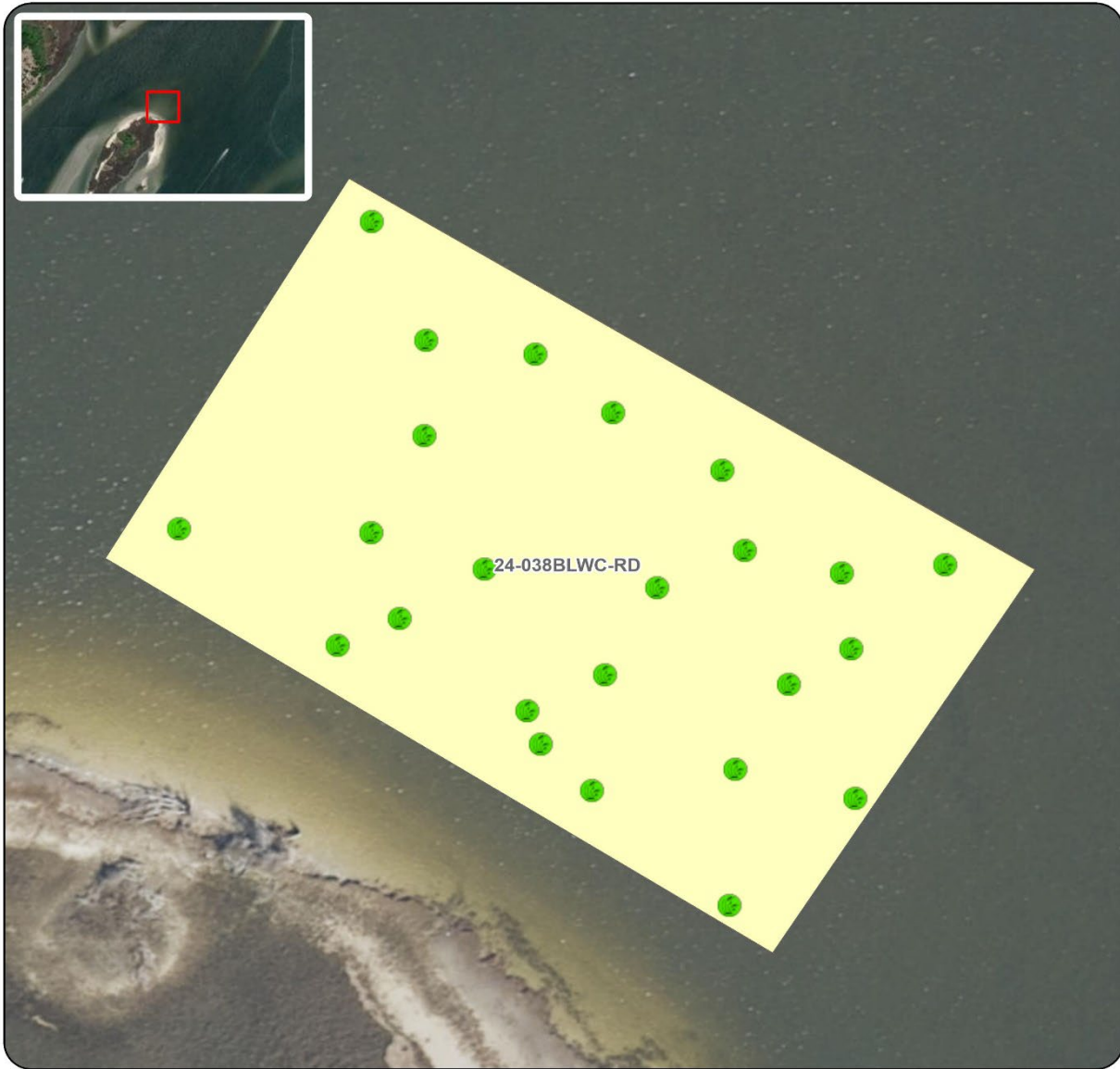
**Acreage: 0.97**

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



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- No SAV Present
- Proposed Lease Area

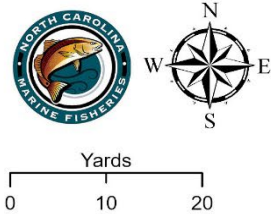
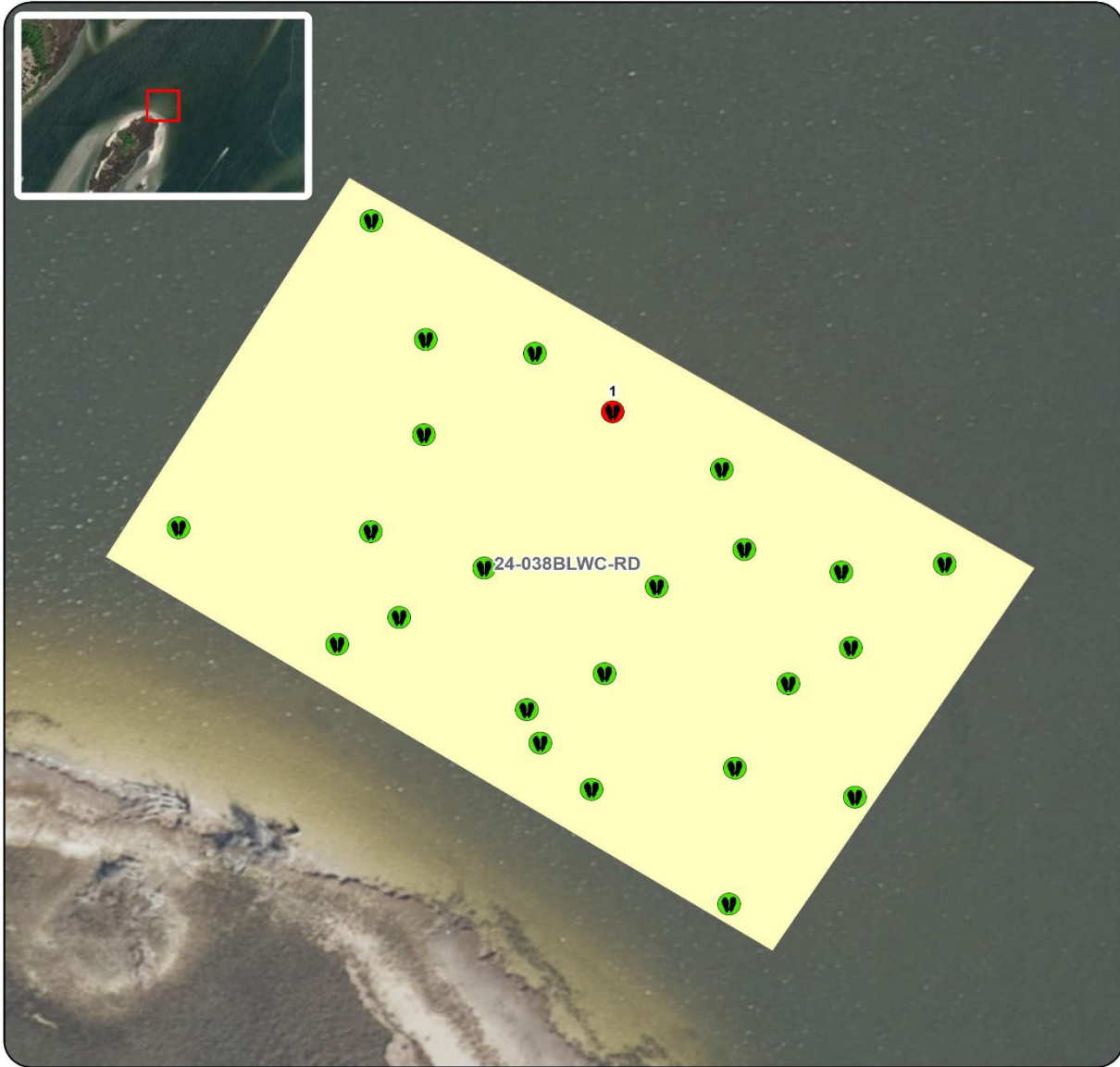
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Shellfish Present

-  No
-  Yes-Clams
-  Proposed Lease Area

Acreage: 0.97


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 Proposed Lease Area

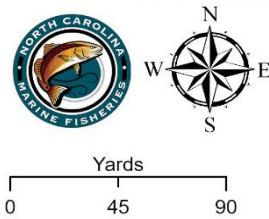
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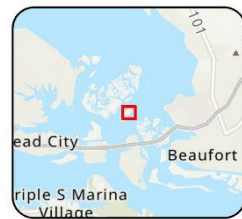
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-  Submerged Aquatic Vegetation
-  Proposed Lease Area

**Acreage: 0.97**

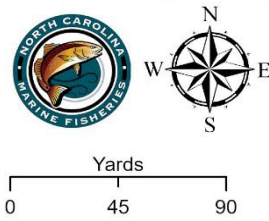
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Shellfish Growing Area Classification

- Conditionally Approved - Open
- Proposed Lease Area

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