

Shellfish Lease Investigation Report	
Investigation Date	6/18/24 8/20/24
Applicants name	Ethan G. Credle
Lease Number	24-026BL/24-027WC
County	Hyde
Waterbody/location	0527020000/Germantown Bay
Proposed Lease Size (acres)	2.28
Lease Type	Bottom/Water Column
Investigation Team	AF, ST, EE
Gear Used	766 - Patent Tong
Sediment Type	8 - Sand
Bottom Composition	A - shell
Depth NE Corner(m)	1.2
Depth East Side 1(m)	1
Depth East Side 2(m)	1.3
Depth SE Corner(m)	1
Depth SW Corner(m)	1.1
Depth West Side 2(m)	1.1
Depth West Side 1(m)	0.7
Depth NW Corner(m)	0.8
Average Depth (m)	1.025
Tidal Stage	Wind
Water Temperature (°C)	27.2
Salinity (ppt)	19.3
Dissolved Oxygen (mg/L)	6.4
Comments on SAV in or around Proposed Lease location	Crab pots throughout the lease
Other Species Collected	N/A
In PNA?	No
In Polluted Area?	No: Approved
In Mechanical Clam Harvest Area?	No
In Oyster Mechanical Methods Prohibited Area	No
Other Comments	N/A

Application Coordinates	
35.407216	-76.460389
35.406816	-76.460148
35.405775	-76.459958
35.405080	-76.459940
35.405089	-76.460369
35.405774	-76.460387
35.406792	-76.460579
35.407190	-76.460800

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Ethan G. Credle

Proposed Lease #: 24-0268L/24-027WC

Date: 6/18/24 8/20/24

Lease size: 2.28 acres # of Samples: 54

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	6/18/24 8/20/24	NA	A - shell	8 - Sand
2	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
3	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
4	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
5	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
6	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
7	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
8	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
9	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
10	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
11	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
12	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
13	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
14	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
15	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
16	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
17	1	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
18	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
19	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
20	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
21	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
22	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
23	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
24	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
25	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
26	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
27	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
28	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
29	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
30	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
31	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
32	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
33	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
34	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
35	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
36	0	3	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
37	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
38	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
39	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
40	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
41	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
42	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
43	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
44	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
45	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
46	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
47	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
48	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
49	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
50	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
51	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
52	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
53	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
54	0	0	0	0	6/18/24 8/20/24	NA	A - shell	8 - Sand
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	1				2%	OF SAMPLES CONTAINED SAV		
TOTAL OF EACH SPECIES		3	0	0				
TOTAL BUSHELS PER SPECIES		0.01	0	0	0.75	TOTAL BUSHELS OF SHELLFISH PER ACRE		

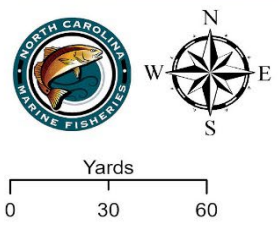
Proposed Lease ID/Number: 24-026BL/24-027WC

Ethan G. Credle

Date: 12/27/2024



Pole Nbr	Latitude	Longitude
1	35.407209	-76.460387
2	35.406809	-76.460146
3	35.405768	-76.459956
4	35.405073	-76.459938
5	35.405082	-76.460367
6	35.405767	-76.460385
7	35.406785	-76.460577
8	35.407182	-76.460807



▲ Lease Corner Points
 ■ Proposed Lease Area

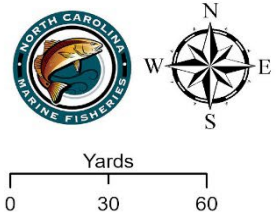
Acreage: 2.28

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



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SAV Density
● None – 0
● Very Sparse – 1
■ Proposed Lease Area

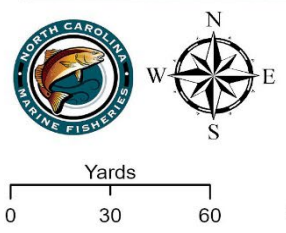
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- Shellfish Present
- No
 - Yes- Oysters
 - Proposed Lease Area

Acreage: 2.28

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Proposed Lease Area

Acreage: 2.28



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-  Submerged Aquatic Vegetation
-  Proposed Lease Area

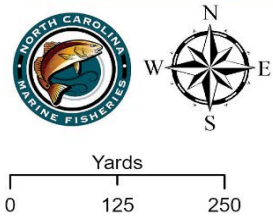
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Shellfish Growing Area Classification

- Approved
- Proposed Lease Area

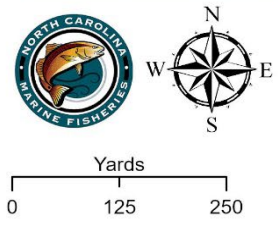
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- Proposed Lease Area
- Bottom
- Water Column
- Terminated Lease

Acreage: 2.28

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















