

Shellfish Lease Investigation Report	
Investigation Date	5/18 & 5/22, 2023
Applicants name	Pirate Oysters, LLC - Paul Spiers
Lease Number	23-001BL/23-002WC
County	Pender
Waterbody/location	Topsail Marshes
Proposed Lease Size (acres)	0.88
Lease Type	Bottom/Water Column
Investigation Team	G. Stilson/S. Tripp
Gear Used	766 - Patent Tong
Sediment Type	1 - hard sand
Bottom Composition	O - no grass
Depth (m)	1
Tidal Stage	high
Water Temperature (°C)	22.1
Salinity (ppt)	38.74
Dissolved Oxygen (mg/L)	7.2
Comments on SAV in or around Proposed Lease location	
Other Species Collected	
In PNA?	Yes
In Polluted Area?	No - Approved
In Mechanical Clam Harvest Area?	No
In Mechanical Methods Prohibited Area	No
Other Comments	

Application Coordinates		Application Modified Coordinates		Actual Coordinates	
34.358487000	-77.660876000	34.357066199	-77.661411758	34.357063667	-77.661398333
34.358336000	-77.660805000	34.357053199	-77.661584758	34.356990833	-77.661566667
34.357932000	-77.661452000	34.358130198	-77.661906758	34.358229167	-77.661467500
34.357073000	-77.661414000	34.358279259	-77.661466819	34.358125667	-77.661878333
34.357060000	-77.661587000				
34.358137000	-77.661909000				

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Pirate Oysters, LLC - Paul Spiers

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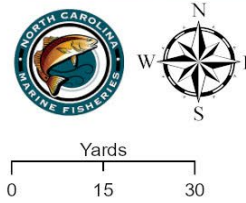
Date: 5/18 & 5/22, 2023

Lease size: 0.88 acres # of Samples: 23

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	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
2	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
3	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
4	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
5	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
6	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
7	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
8	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
9	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
10	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
11	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
12	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
13	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
14	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
15	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
16	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
17	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
18	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
19	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
20	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
21	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
22	0	0	0	0	5/18 & 5/22, 2023	NA	O - no grass	1 - hard sand
23	0	0	0	0	5/18 & 5/22, 2023	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	TOTAL BUSHELS OF SHELLFISH PER ACRE		

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Date: 6/8/2023



▲ Proposed Corner Points
■ Proposed Lease Area

Acreage: 0.88


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



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 Proposed Lease Area

Acreage: 0.88

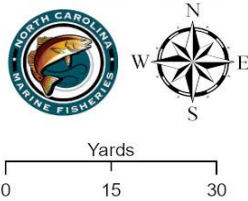
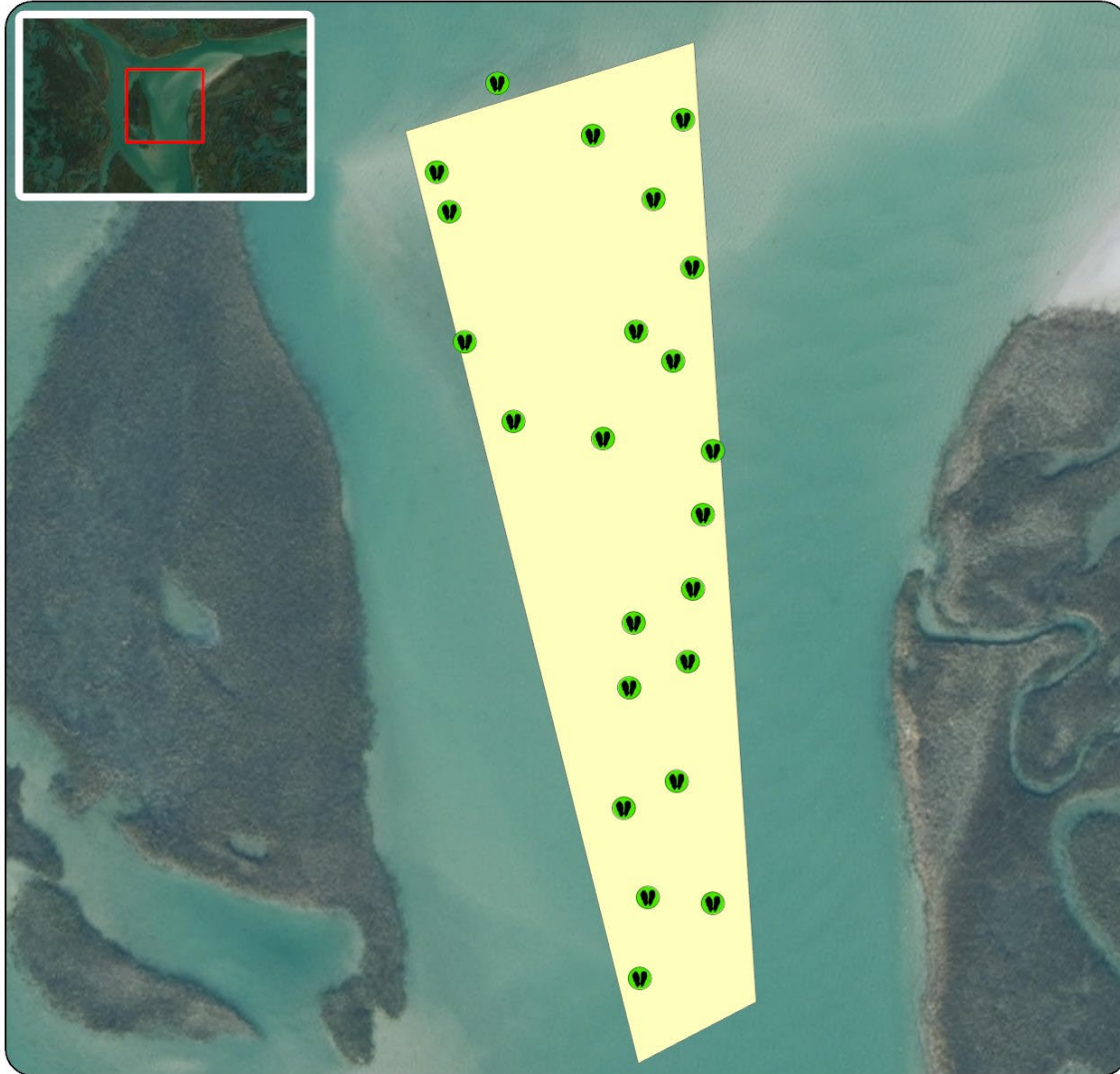




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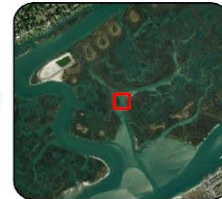
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 No Bivalve Shellfish Present
 Proposed Lease Area

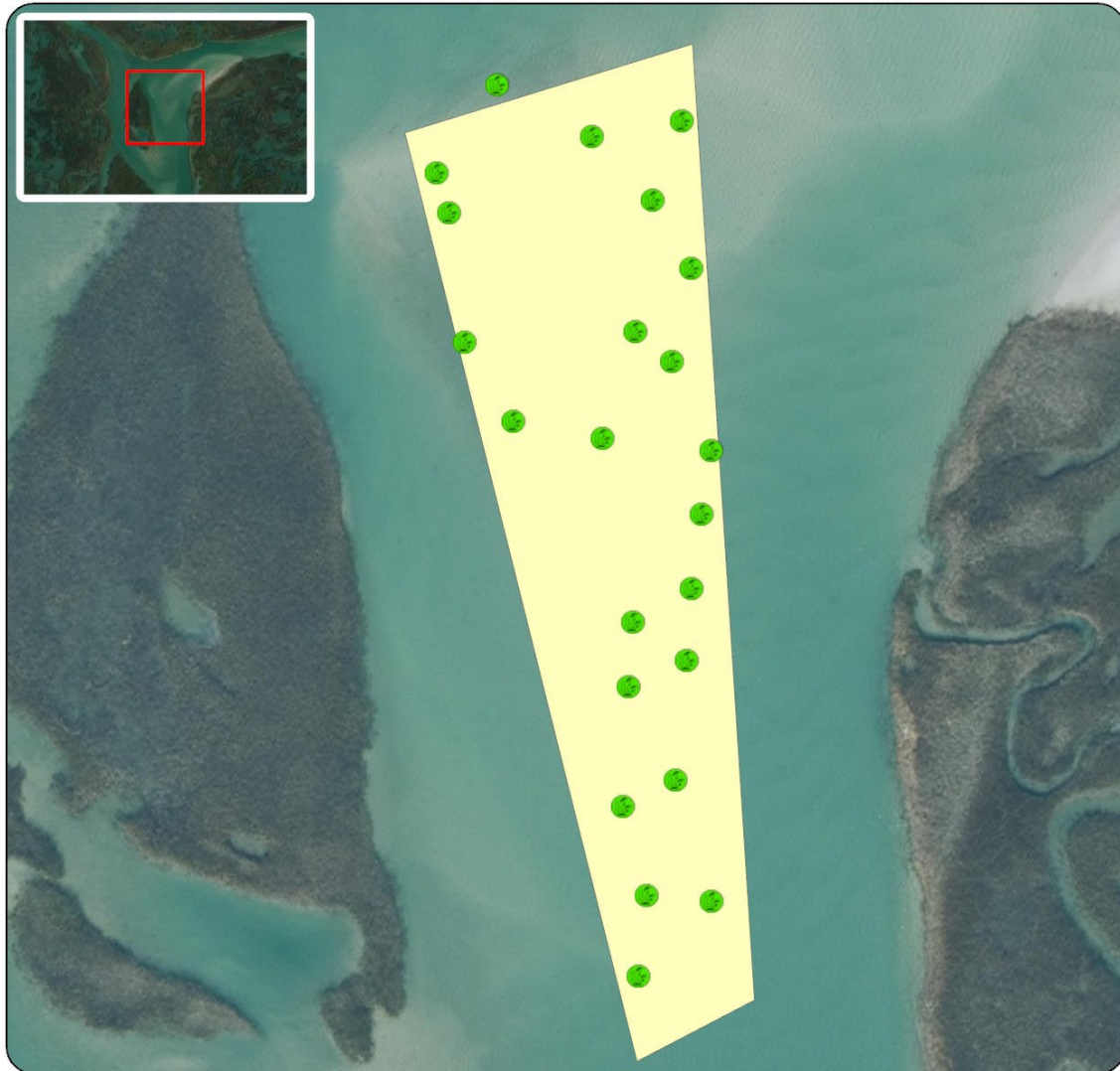
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-  No SAV Present
-  Proposed Lease Area

Acreage: 0.88


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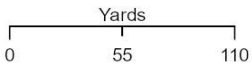
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-  Submerged Aquatic Vegetation
-  Proposed Lease Area

Acreage: 0.88

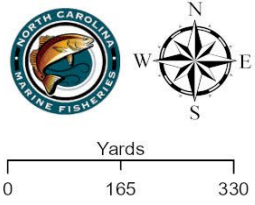


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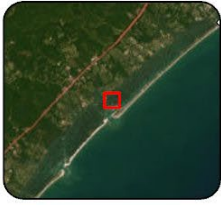
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- Proposed Bottom
- Proposed Water Column
- Bottom

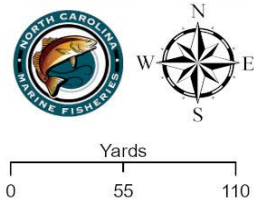
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SGA Classification

- Approved
- Proposed Lease Area

Acreage: 0.88





