

Shellfish Lease Investigation Report	
Investigation Date	4/27/2021
Applicants name	Coastal Roots Oyster Company, LLC - David Roughton
Lease Number	21-015BL/21-016WC
County	Pender
Waterbody/location	Seaside Areas/150200000
Proposed Lease Size (acres)	1.09
Lease Type	Bottom/Water Column
Investigation Team	A. Frost/D. Walters
Gear Used	766 - Patent Tong
Sediment Type	8 - sand (sand in hard and firm strata)
Bottom Composition	O - no grass
Depth (m)	1
Tidal Stage	High
Water Temperature (°C)	18.4
Salinity (ppt)	33.4
Dissolved Oxygen (mg/L)	4.5
Comments on SAV in or around Proposed Lease location	None
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		Actual Coordinates	
34.30750100	-77.71733100	34.30815200	-77.71827800
34.30792100	-77.71685800	34.30829183	-77.71768567
34.30814000	-77.71720100	34.30825483	-77.71749033
34.30774000	-77.71741600	34.30811217	-77.71721517
34.30779400	-77.71754800	34.30791917	-77.71687983
34.30826200	-77.71747600	34.30751733	-77.71732900
34.30830100	-77.71772100	34.30771450	-77.71740917
34.30817000	-77.71830700	34.30777450	-77.71751150

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: David Roughton

Proposed Lease #: 21-015BL/21-016WC

Date: 4/27/2021

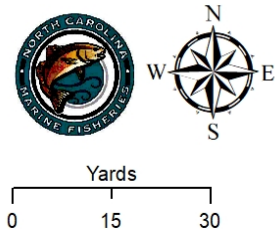
Lease size: 1.09 acres

of Samples: 30

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	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
2	0	0	1	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
3	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
4	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
5	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
6	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
7	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
8	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
9	0	0	5	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
10	0	0	1	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
11	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
12	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
13	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
14	0	0	1	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
15	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
16	0	0	1	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
17	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
18	0	0	1	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
19	0	0	1	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
20	0	0	4	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
21	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
22	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
23	0	0	4	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
24	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
25	0	0	3	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
26	0	0	1	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
27	0	0	1	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
28	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
29	0	0	3	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
30	0	0	0	0	4/27/2021	NA	O - no grass	8 - sand (sand in hard and firm strata)
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	0				0%	OF SAMPLES CONTAINED SAV		
TOTAL OF EACH SPECIES		0	27	0				
TOTAL BUSHELS PER SPECIES		0	0.0675	0	9.10575	TOTAL BUSHELS OF SHELLFISH PER ACRE		

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Date: 5/6/2021



▲ Proposed Corner Points
 ■ Propose Lease Area

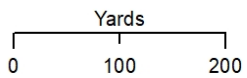
Acreage: 1.09


Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



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Date: 4/30/2021



 Propose Lease Area

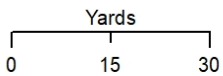
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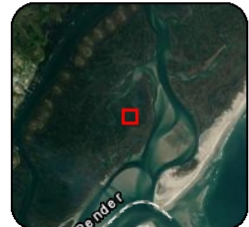
Date: 5/6/2021



- No Bivalve Shellfish Present
- Bivalve Shellfish Present
- Propose Lease Area

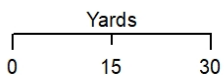
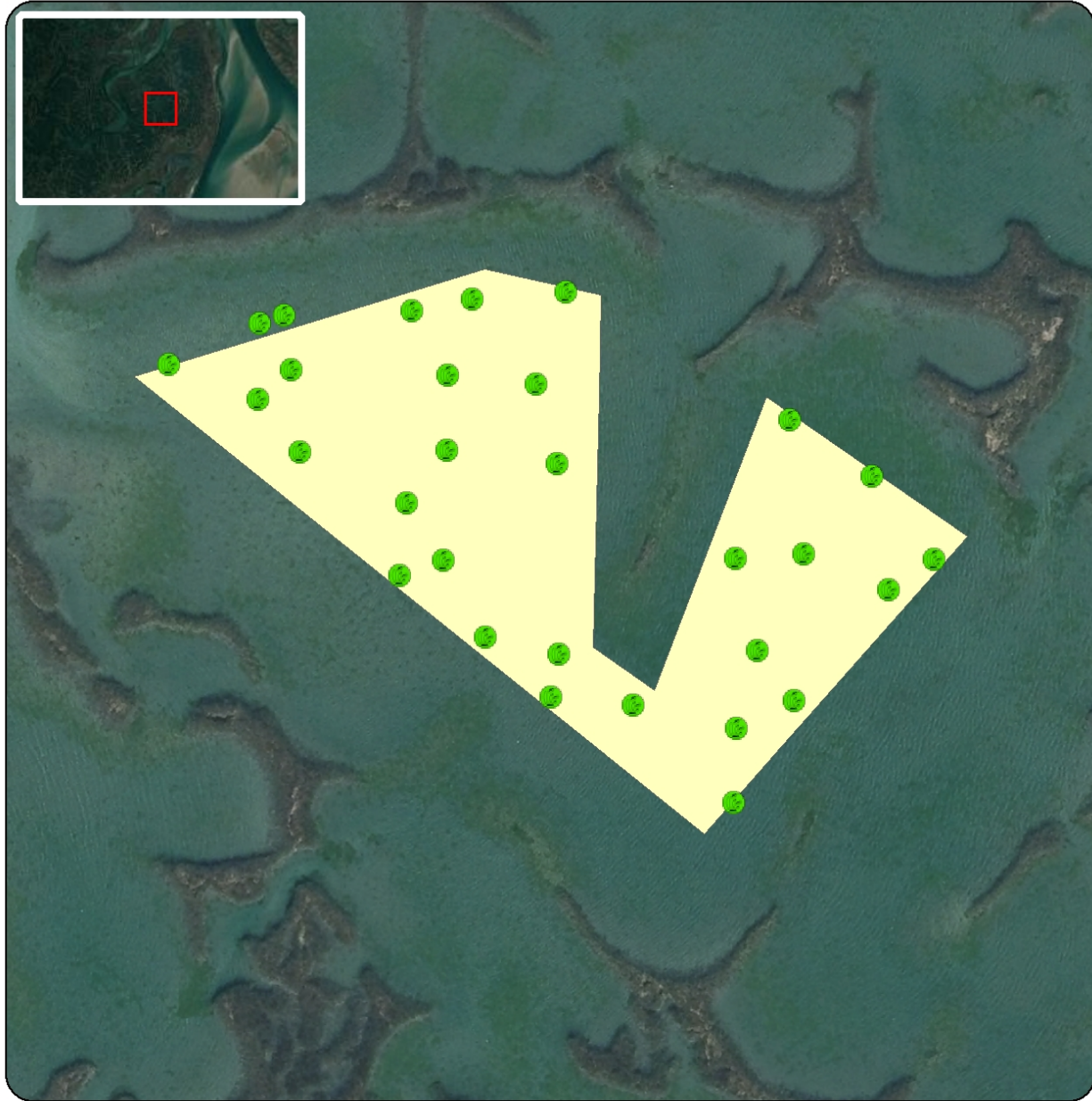
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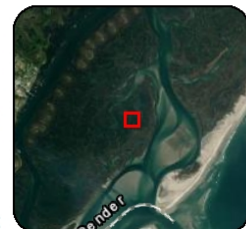
Date: 5/6/2021



- No SAV Present
- Propose Lease Area

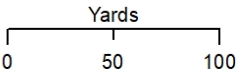
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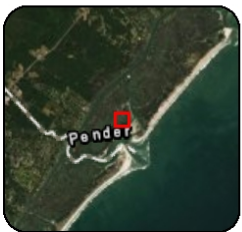
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- Propose Lease Area
- Approved

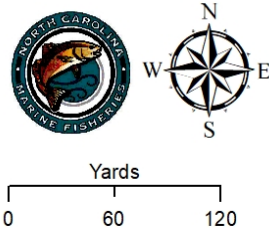
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





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Lease Type

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

Acreage: 1.09

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