

Shellfish Lease Investigation Report	
Investigation Date	8/27/2024
Applicants name	Gator Bay Oyster Company, LLC – Nelson C. Bullock
Lease Number	24-028BL/24-029WC
County	Onslow
Waterbody/location	1201010400/Ellis Cove
Proposed Lease Size (acres)	3.82
Lease Type	Bottom/Water Column
Investigation Team	S. Tripp; E. Ellis; K. Flanigan; A. Frost; C. Grady
Gear Used	935 - Hand Sampling
Sediment Type	1 - Hard sand
Bottom Composition	O - no grass
Average Sampling Depth	0.84
Tidal Stage	K - Low
Water Temperature (°C)	28
Salinity (ppt)	15.6
Dissolved Oxygen (mg/L)	7.57
Comments on SAV in or around Proposed Lease location	N/A
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	Yes
Depth Samples (in meters)	
Depth NW Corner (1)	0.2
Depth NE Corner (2)	0.7
Depth SE Corner (3)	0.7
Depth SW Corner(4)	0.2
Depth Center	0.4
Other Comments	

Application Coordinates		Modification Coordinates		Actual Coordinates	
Latitude	Longitude	Latitude	Longitude	Latitude	Longitude
34.586684	-77.392740	34.586612	-77.392638	34.586612	-77.392638
34.586190	-77.392036	34.586190	-77.392036	34.586190	-77.392036
34.585033	-77.393409	34.585033	-77.393409	34.585033	-77.393409
34.585536	-77.394139	34.585542	-77.393977	34.585542	-77.393977

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Gator Bay Oyster Company, LLC – Nelson C. Bullock

Proposed Lease #: 24-028BL/24-029WC

Date: 8/27/2024

Lease size: 3.82 acres # of Samples: 82

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	8/27/2024	NA	O - no grass	1 - Hard sand
2	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
3	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
4	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
5	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
6	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
7	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
8	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
9	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
10	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
11	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
12	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
13	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
14	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
15	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
16	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
17	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
18	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
19	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
20	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
21	0	0	1	0	8/27/2024	NA	O - no grass	1 - Hard sand
22	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
23	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
24	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
25	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
26	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
27	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
28	0	0	1	0	8/27/2024	NA	O - no grass	1 - Hard sand
29	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
30	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
31	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
32	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
33	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
34	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
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43	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
44	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
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51	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
52	0	0	1	0	8/27/2024	NA	O - no grass	1 - Hard sand
53	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
54	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
55	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
56	0	0	1	0	8/27/2024	NA	O - no grass	1 - Hard sand
57	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
58	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
59	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
60	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
61	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
62	0	0	1	0	8/27/2024	NA	O - no grass	1 - Hard sand
63	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
64	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
65	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
66	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
67	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
68	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
69	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
70	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
71	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
72	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
73	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
74	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
75	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
76	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
77	0	0	1	0	8/27/2024	NA	O - no grass	1 - Hard sand

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Gator Bay Oyster Company, LLC – Nelson C. Bullock

Proposed Lease #: 24-028BL/24-029WC

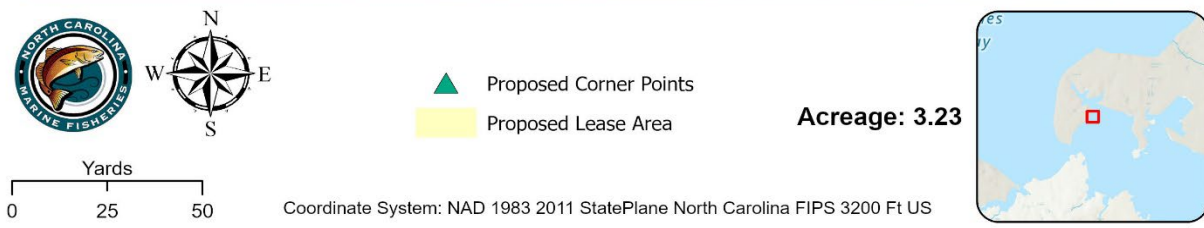
Date: 8/27/2024

Lease size: 3.82 acres # of Samples: 82

Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
78	0	0	1	0	8/27/2024	NA	O - no grass	1 - Hard sand
79	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
80	0	0	1	0	8/27/2024	NA	O - no grass	1 - Hard sand
81	0	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand
82	0	0	1	0	8/27/2024	NA	O - no grass	1 - Hard sand
	0	0	1	0				
	0	0	0	0	0%	OF SAMPLES CONTAINED SAV		
TOTAL OF EACH SPECIES		0	12	0				
TOTAL BUSHELS PER SPECIES		0	0.03	0	1.48	TOTAL BUSHELS OF SHELLFISH PER ACRE		

Proposed Lease ID/Number: 24-028BL/24-029WC
 Gator Bay Oyster Company, LLC – Nelson C. Bullock

Date: 12/27/2024



Proposed Lease ID/Number: 24-028BL/24-029WC
Gator Bay Oyster Company, LLC – Nelson C. Bullock

Date: 12/27/2024



- No SAV Present
- Proposed Lease Area

Acreage: 3.23

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



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Gator Bay Oyster Company, LLC – Nelson C. Bullock

Date: 12/27/2024



Shellfish Present

No

Yes-Clams

Proposed Lease Area

Acreage: 3.23


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 Proposed Lease Area

Acreage: 3.23

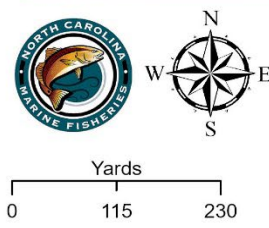




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Date: 12/27/2024



 Submerged Aquatic Vegetation
 Proposed Lease Area

Acreage: 3.23

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



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Date: 12/27/2024



Shellfish Growing Area
Classification

- Approved
- Proposed Lease Area

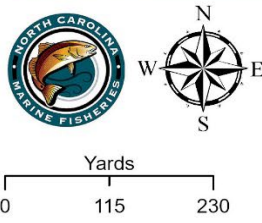
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Date: 12/27/2024



- Other Proposed - Bottom
- Other Proposed - Water Column
- Bottom
- Franchise
- Proposed Lease Area

Acreage: 3.23




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



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Date: 12/27/2024



-  SSMA
-  Cultch Planted Site
-  Proposed Lease Area

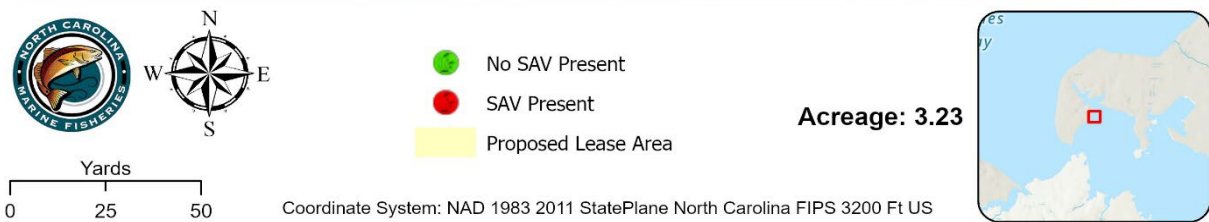
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Gator Bay Oyster Company, LLC – Nelson C. Bullock

Date: 12/27/2024



The above map depicts the extent of the samples taken within the coordinates of the original lease application. The Proposed Lease Area shows how the leaseholder modified the application for USACE NWP 48. The below data supports the modification

Sample #	Presence of SAV Density class	# of Oysters	# of Clams	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
1	4	0	0	0	8/27/2024	NA	O - no grass	1 - Hard sand



PROPOSED SHELLFISH
BOTTOM LEASE 24-028BL
WATER COLUMN 24-029WC
GATOR BAY OYSTER COMPANY, LLC
NELSON C. BULLOCK (Agent)
JULY 30, 2024
3.82 ACRES
FOR ADDITIONAL INFORMATION CALL:
N.C. DIVISION OF MARINE FISHERIES
HABITAT & ENHANCEMENT SECTION
POST OFFICE BOX 706, MOREHEAD CITY, NC 28557
TELEPHONE: 252-435-5400



PROPOSED SHELLFISH
BOTTOM LEASE 24-028BL
WATER COLUMN 24-029WC
GATOR BAY OYSTER COMPANY, LLC
NELSON C. BULLOCK (Agent)
JULY 30, 2024
3.82 ACRES
FOR ADDITIONAL INFORMATION CALL:
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