

Shellfish Lease Investigation Report	
Investigation Date	9/17-18/2024
Applicants name	Big Cypress Mariculture LLC- John W. Eynon
Lease Number	24-039BL/24-040WC
County	Onslow
Waterbody/location	1201010100/Sneads Creek
Proposed Lease Size (acres)	2.73
Lease Type	Bottom/Water Column
Investigation Team	S. Tripp, A. Frost, R. Farnell, E. Ellis, C. Grady
Gear Used	766 - Patent Tong
Sediment Type	9 - Mud
Bottom Composition	O - no grass
Depth (m) Pole 1	1.6
Depth (m) Pole 2	1.4
Depth (m) Pole 3	1.9
Depth (m) Pole 4	1.9
Depth (m) Pole 5	1.2
Depth (m) Pole 6	1.3
Depth (m)- Average	1.5
Tidal Stage	I - High
Water Temperature (°C)	24.1
Salinity (ppt)	25.5
Dissolved Oxygen (mg/L)	6
Comments on SAV in or around Proposed Lease location	No
Other Species Collected	N/A
In PNA?	Yes
In Polluted Area?	No: Approved
In Mechanical Clam Harvest Area?	No
In Oyster Mechanical Methods Prohibited Area	Yes
Other Comments	Crab pots seen throughout the lease

Application Coordinates		Actual Coordinates	
34.590118	-77.395708	34.589754	-77.394784
34.589504	-77.394152	34.589504	-77.394152
34.588060	-77.392693	34.588106	-77.392962
34.588077	-77.393766	34.588077	-77.393766
34.589270	-77.394495	34.589270	-77.394495
34.589411	-77.394994	34.589411	-77.394994
34.588691	-77.395686		

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Big Cypress Mariculture LLC- John W. Eynon

Proposed Lease #: 24-0398L/24-040WC

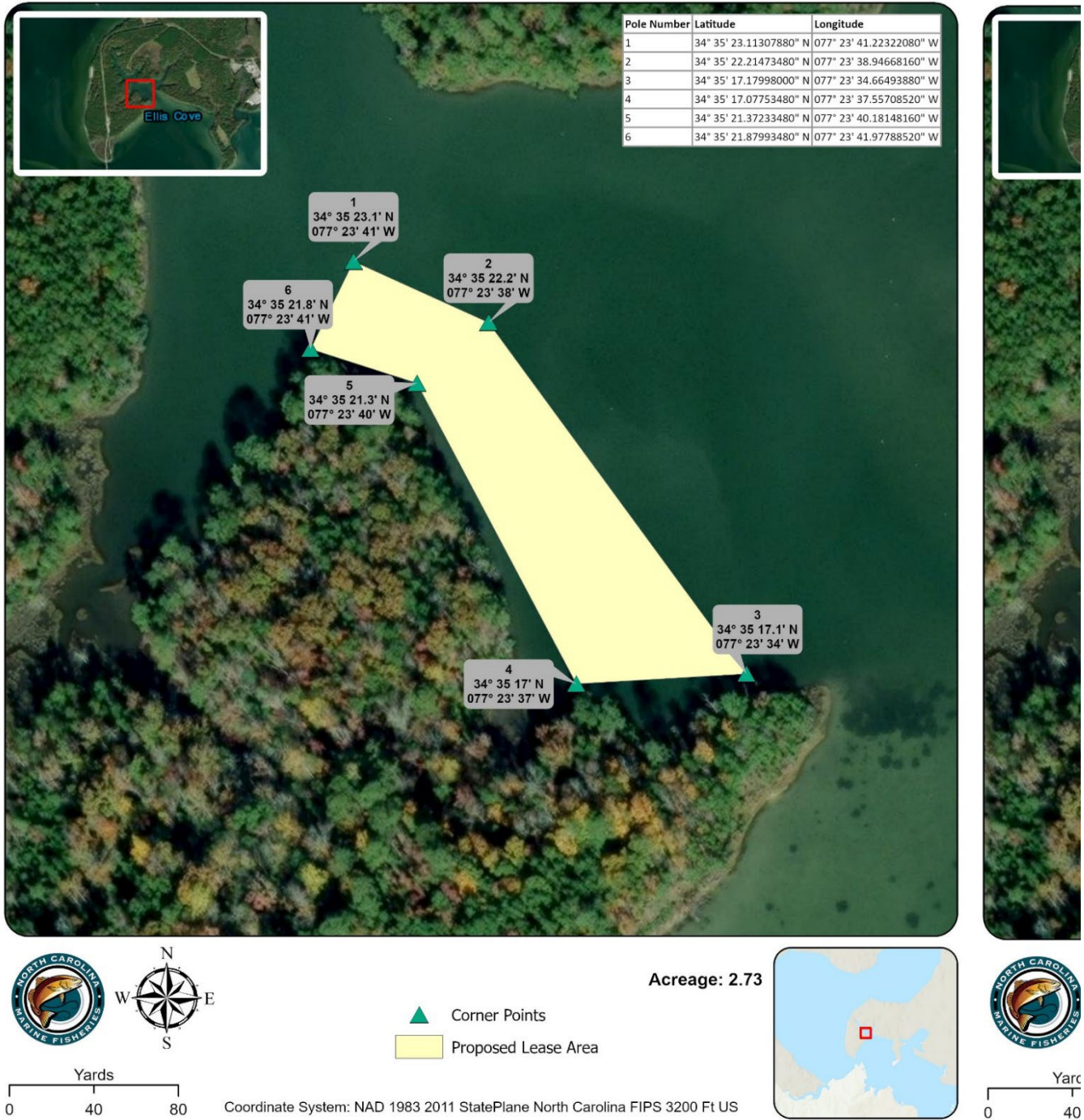
Date: 9/17-18/2024

Lease size: 2.73 acres # of Samples: 69

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	9/17-18/2024	NA	O - no grass	9 - Mud
2	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
3	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
4	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
5	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
6	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
7	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
8	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
9	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
10	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
11	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
12	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
13	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
14	0	0	1	0	9/17-18/2024	NA	O - no grass	9 - Mud
15	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
16	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
17	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
18	0	0	1	0	9/17-18/2024	NA	O - no grass	9 - Mud
19	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
20	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
21	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
22	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
23	0	9	1	0	9/17-18/2024	NA	O - no grass	9 - Mud
24	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
25	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
26	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
27	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
28	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
29	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
30	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
31	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
32	0	0	1	0	9/17-18/2024	NA	O - no grass	9 - Mud
33	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
34	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
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37	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
38	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
39	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
40	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
41	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
42	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
43	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
44	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
45	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
46	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
47	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
48	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
49	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
50	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
51	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
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53	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
54	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
55	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
56	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
57	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
58	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
59	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
60	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
61	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
62	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
63	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
64	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
65	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
66	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
67	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
68	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
69	0	0	0	0	9/17-18/2024	NA	O - no grass	9 - Mud
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	0				0%	OF SAMPLES CONTAINED SAV		
TOTAL OF EACH SPECIES		9	4	0				
TOTAL BUSHELS PER SPECIES		0.03	0.01	0	2.35	TOTAL BUSHELS OF SHELLFISH PER ACRE		

Proposed Lease – 24-039BL/24-040WC Big Cypress Mariculture, LLC, John W. Eynon

Date: 1/6/2025

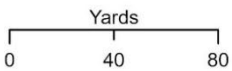


Acreage: 2.73

▲ Corner Points
 ■ Proposed Lease Area

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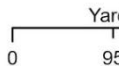
Date: 1/6/2025



- No SAV Present
- Proposed Lease Area

Acreage: 2.73

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






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Date: 1/6/2025

Big



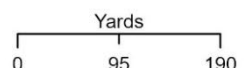
Shellfish Present

-  No
-  Yes-Oysters, Clams
-  Proposed Lease Area

Acreage: 2.73



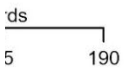
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Big

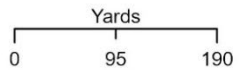
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 Proposed Lease Area

Acreage: 2.73





Proposed Lease – 24-039BL/24-040WC
 Cypress Mariculture, LLC, John W. Eynon

Date: 1/6/2025

Proposed
 Big Cypress

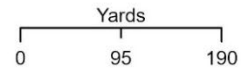


-  Submerged Aquatic Vegetation
-  Proposed Lease Area

Acreage: 2.73



- Leases**
-  Other
 -  Other



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Proposed Lease – 24-039BL/24-040WC
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Date: 1/6/2025

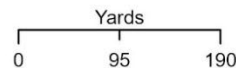
Proposed
 Big Cypress



Shellfish Growing Area
 Classification

- Approved
- Proposed Lease Area

Acreage: 2.73



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

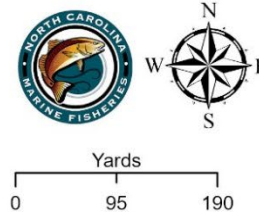
Proposed Lease – 24-039BL/24-040WC
 Big Cypress Mariculture, LLC, John W. Eynon

Date: 1/6/2025

Proposed Lease
 Big Cypress Mariculture



■ Bottom **Acreage: 2.73**
■ Franchise
■ Proposed Lease Area



■ P
■ P

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



Coordinate System: NAD 1983

ed Lease – 24-039BL/24-040WC
ss Mariculture, LLC, John W. Eynon

Date: 1/6/2025



Acreage: 2.73

-  No Contact Marine Fisheries Observation
-  Proposed Lease Area



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se – 24-039BL/24-040WC
culture, LLC, John W. Eynon

Date: 1/6/2025



Acreage: 2.73

Primary Nursery Areas

Proposed Lease Area

2011 StatePlane North Carolina FIPS 3200 Ft US





PROPOSED SHELLFISH
BOTTOM LEASE 24-039BL
WATER COLUMN 24-040WC
BIG CYPRESS MARICULTURE, LLC
JOHN W. EYNON (Agent)
AUGUST 2, 2024
4.48 ACRES BOTTOM
2.72 ACRES WATER COLUMN
FOR ADDITIONAL INFORMATION CALL
N.C. DIVISION OF MARINE FISHERIES
HABITAT & ENHANCEMENT SECTION
POST OFFICE BOX 766, MOREHEAD CITY, NC 28557
TELEPHONE: 252-511-5400







