

<b>Shellfish Lease Investigation Report</b>	
<b>Investigation Date</b>	9/8/2022
<b>Applicants name</b>	Burr McLawhorn
<b>Lease Number</b>	22-033BL
<b>County</b>	Onslow
<b>Waterbody/location</b>	Mainland Areas (Topsail Sound)
<b>Proposed Lease Size (acres)</b>	4.10
<b>Lease Type</b>	Bottom
<b>Investigation Team</b>	S. Tripp/D. Walters/G. Stilson/A. Frost/R. Farnell/J. Moore
<b>Gear Used</b>	766 - Patent Tong
<b>Sediment Type</b>	7 - sandy mud
<b>Bottom Composition</b>	0 - no grass
<b>Depth (m)</b>	1
<b>Tidal Stage</b>	High
<b>Water Temperature (°C)</b>	26.8
<b>Salinity (ppt)</b>	32.6
<b>Dissolved Oxygen (mg/L)</b>	5.2
<b>Comments on SAV in or around Proposed Lease location</b>	
<b>Other Species Collected</b>	
<b>In PNA?</b>	Yes
<b>In Polluted Area?</b>	No: Conditionally Approved - Open
<b>In Mechanical Clam Harvest Area?</b>	No
<b>In Mechanical Methods Prohibited Area</b>	Yes
<b>Other Comments</b>	

Application Coordinates		Modified Application Coordinates		Actual Coordinates	
-77.52756000	34.45724000	-77.52547981	34.45763716	-77.52544396	34.45764434
-77.52627000	34.45847000	-77.52698093	34.45656428	-77.52693963	34.45656001
-77.52557000	34.45788000	-77.52756000	34.45724000	-77.52753213	34.45723267
-77.52687000	34.45664000	-77.52607050	34.45830417	-77.52606263	34.45829350

## Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Burr McLawhorn

Proposed Lease #: 22-033BL

Date: 9/8/2022

Lease size: 4.10 acres # of Samples: 104

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	9/8/2022	NA	O - no grass	7 - sandy mud
2	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
3	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
4	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
5	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
6	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
7	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
8	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
9	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
10	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
11	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
12	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
13	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
14	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
15	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
16	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
17	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
18	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
19	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
20	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
21	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
22	0	0	1	0	9/8/2022	NA	O - no grass	7 - sandy mud
23	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
24	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
25	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
26	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
27	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
28	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
29	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
30	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
31	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
32	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
33	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
34	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
35	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
36	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
37	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
38	0	0	6	0	9/8/2022	NA	O - no grass	7 - sandy mud
39	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
40	0	0	2	0	9/8/2022	NA	O - no grass	7 - sandy mud
41	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
42	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
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44	0	0	5	0	9/8/2022	NA	O - no grass	7 - sandy mud
45	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
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49	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
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53	0	0	1	0	9/8/2022	NA	O - no grass	7 - sandy mud
54	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
55	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
56	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
57	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
58	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
59	0	1	1	0	9/8/2022	NA	O - no grass	7 - sandy mud
60	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
61	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
62	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
63	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud

## Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Burr McLawhorn

Proposed Lease #: 22-033BL

Date: 9/8/2022

Lease size: 4.10 acres # of Samples: 104

Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
64	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
65	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
66	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
67	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
68	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
69	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
70	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
71	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
72	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
73	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
74	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
75	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
76	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
77	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
78	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
79	0	0	1	0	9/8/2022	NA	O - no grass	7 - sandy mud
80	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
81	0	0	1	0	9/8/2022	NA	O - no grass	7 - sandy mud
82	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
83	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
84	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
85	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
86	0	0	1	0	9/8/2022	NA	O - no grass	7 - sandy mud
87	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
88	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
89	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
90	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
91	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
92	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
93	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
94	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
95	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
96	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
97	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
98	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
99	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
100	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
101	0	0	1	0	9/8/2022	NA	O - no grass	7 - sandy mud
102	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
103	0	0	1	0	9/8/2022	NA	O - no grass	7 - sandy mud
104	0	0	0	0	9/8/2022	NA	O - no grass	7 - sandy mud
<b>SAV</b>		<b>Oysters (Eastern Oyster)</b>	<b>Clams (Quahogs)</b>	<b>Scallops</b>	<b>0%</b>		<b>OF SAMPLES CONTAINED SAV</b>	
<b>0</b>								
<b>TOTAL OF EACH SPECIES</b>		<b>2</b>	<b>21</b>	<b>0</b>				
<b>TOTAL BUSHELS PER SPECIES</b>		<b>0.006666667</b>	<b>0.0525</b>	<b>0</b>	<b>2.302379808</b>	<b>TOTAL BUSHELS OF SHELLFISH PER ACRE</b>		

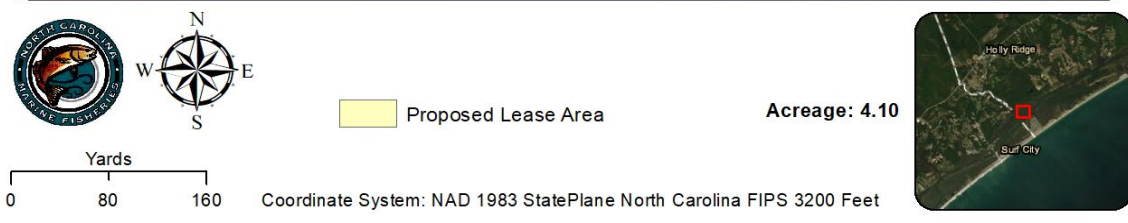
Proposed Lease ID/Number: 22-033BL  
Burr McLawhorn

Date: 9/19/2022



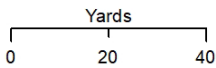
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- No Bivalve Shellfish Present
- Bivalve Shellfish Present
- Proposed Lease Area

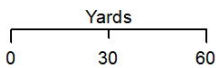
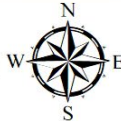
Acreage: 4.10



Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



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Burr McLawhorn

Date: 9/19/2022



-  No SAV Present
-  Proposed Lease Area

**Acreage: 4.10**

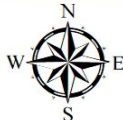
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




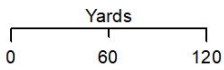
Proposed Lease ID/Number: 22-033BL  
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-  Submerged Aquatic Vegetation
-  Proposed Lease Area

**Acreage: 4.10**

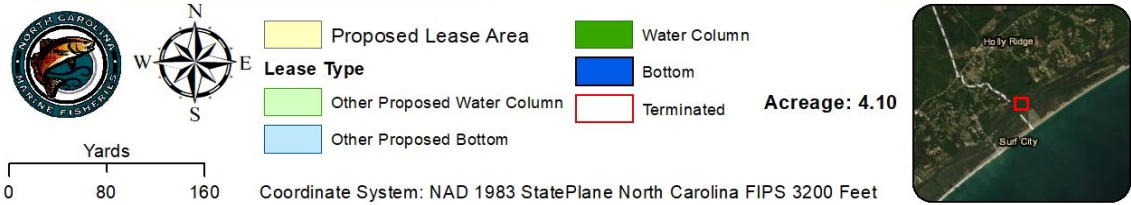
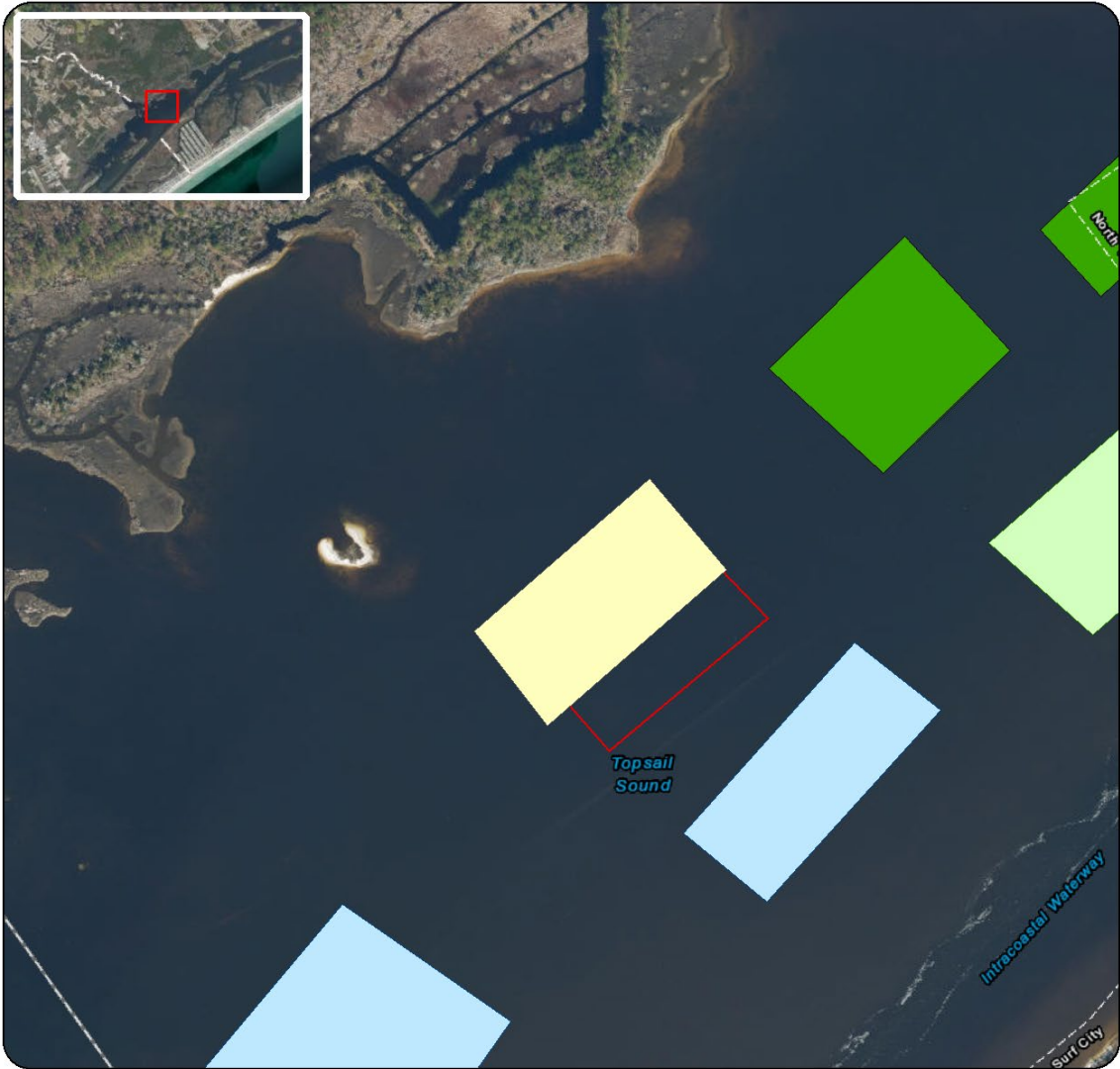


Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



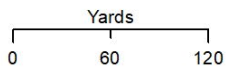
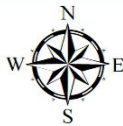
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Burr McLawhorn

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- Proposed Lease Area
- SGA Current Classifications**
- Conditionally Approved - Open
- Conditionally Approved - Closed

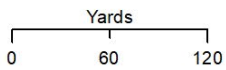
Acreage: 4.10

Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



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- Cultch Planted Site
- Cultch Permit Area
- Proposed Lease Area

Acreage: 4.10

Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



