

Shellfish Lease Investigation Report	
Investigation Date	5/11/2022
Applicants name	Shad Funk
Lease Number	22-007BL/22-008WC
County	Onslow
Waterbody/location	Mainland Areas (Topsail Sound)
Proposed Lease Size (acres)	3.93
Lease Type	Bottom/Water Column
Investigation Team	A. Frost/R. Farnell/S. Tripp/D. Walters
Gear Used	766 - Patent Tong
Sediment Type	7 - sandy mud
Bottom Composition	O - no grass
Depth (m)	1.5
Tidal Stage	High
Water Temperature (°C)	18.2
Salinity (ppt)	36
Dissolved Oxygen (mg/L)	7.3
Comments on SAV in or around Proposed Lease location	
Other Species Collected	
In PNA?	Yes
In Polluted Area?	
In Mechanical Clam Harvest Area?	No
In Mechanical Methods Prohibited Area	Yes
Other Comments	Crab potter stopped by to voice opinion

Application Coordinates		Actual Coordinates	
34.458640	-77.522050	34.457147	-77.522434
34.458070	-77.521150	34.457808	-77.523281
34.457180	-77.522390	34.458061	-77.521180
34.457820	-77.523260	34.458673	-77.522086

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Shad Funk

Proposed Lease #: 22-007BL/22-008WC

Date: 5/11/2022

Lease size: 3.93 acres # of Samples: 94

Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
1	1	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
2	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
3	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
4	0	0	1	0	5/11/2022	NA	O - no grass	7 - sandy mud
5	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
6	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
7	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
8	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
9	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
10	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
11	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
12	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
13	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
14	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
15	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
16	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
17	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
18	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
19	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
20	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
21	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
22	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
23	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
24	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
25	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
26	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
27	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
28	0	1	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
29	0	1	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
30	0	1	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
31	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
32	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
33	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
34	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
35	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
36	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
37	0	2	2	0	5/11/2022	NA	O - no grass	7 - sandy mud
38	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
39	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
40	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
41	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
42	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
43	0	0	1	0	5/11/2022	NA	O - no grass	7 - sandy mud
44	0	0	1	0	5/11/2022	NA	O - no grass	7 - sandy mud
45	0	0	1	0	5/11/2022	NA	O - no grass	7 - sandy mud
46	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
47	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
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49	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
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54	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
55	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
56	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
57	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
58	0	1	2	0	5/11/2022	NA	O - no grass	7 - sandy mud
59	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
60	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
61	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
62	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
63	0	0	1	0	5/11/2022	NA	O - no grass	7 - sandy mud
64	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
65	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
66	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
67	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
68	0	0	1	0	5/11/2022	NA	O - no grass	7 - sandy mud
69	0	0	1	0	5/11/2022	NA	O - no grass	7 - sandy mud
70	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
71	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
72	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
73	0	0	1	0	5/11/2022	NA	O - no grass	7 - sandy mud
74	0	0	1	0	5/11/2022	NA	O - no grass	7 - sandy mud
75	0	0	1	0	5/11/2022	NA	O - no grass	7 - sandy mud
76	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
77	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: **Shad Funk**

Proposed Lease #: **22-007BL/22-008WC**

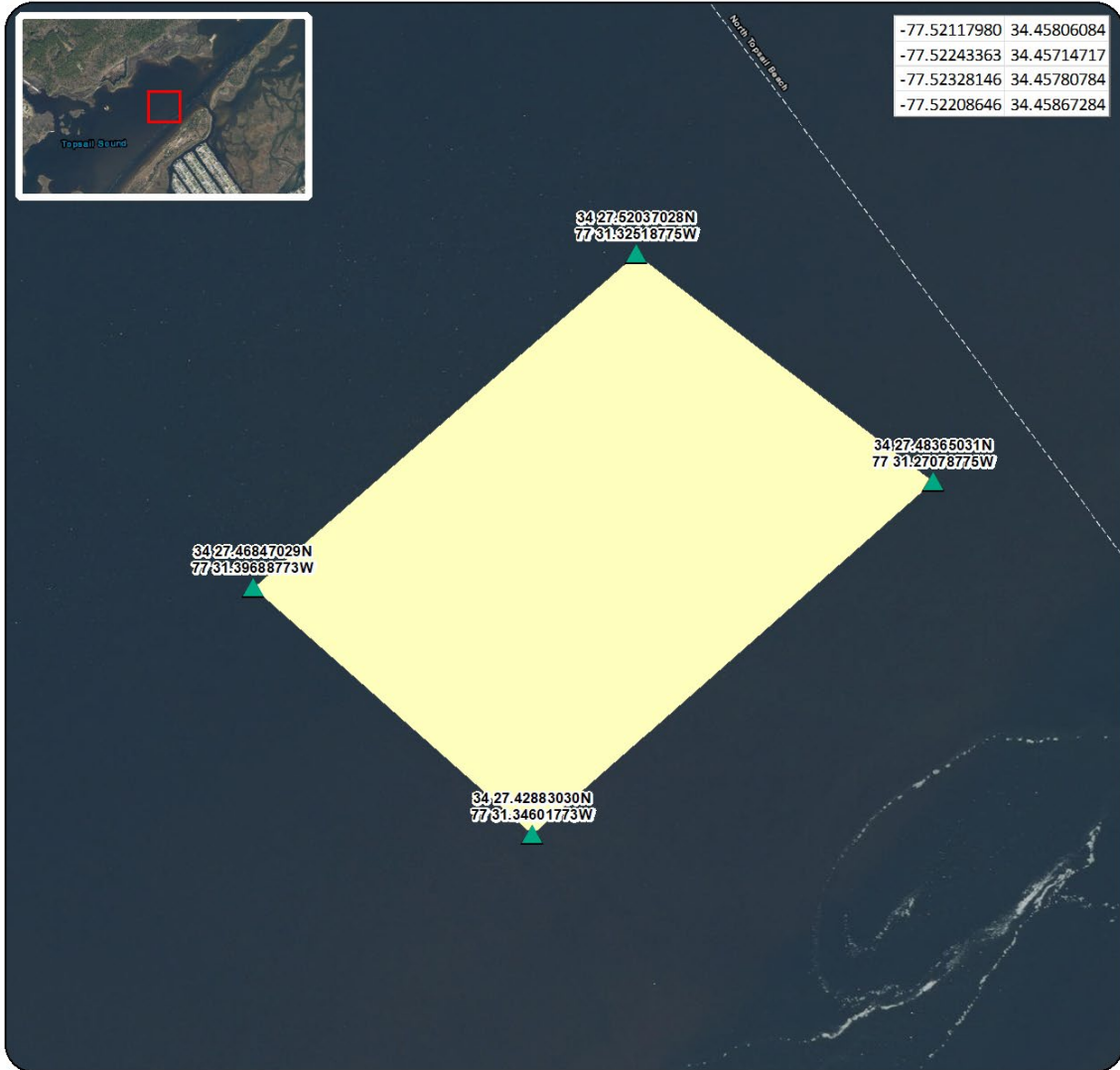
Date: **5/11/2022**

Lease size: **3.93** acres # of Samples: **94**

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	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
79	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
80	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
81	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
82	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
83	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
84	0	0	3	0	5/11/2022	NA	O - no grass	7 - sandy mud
85	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
86	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
87	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
88	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
89	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
90	0	2	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
91	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
92	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
93	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
94	0	0	0	0	5/11/2022	NA	O - no grass	7 - sandy mud
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	1				1%	OF SAMPLES CONTAINED SAV		
TOTAL OF EACH SPECIES		8	17	0				
TOTAL BUSHELS PER SPECIES		0.026666667	0.0425	0	2.977845745	TOTAL BUSHELS OF SHELLFISH PER ACRE		

Proposed Lease ID/Number: 22-007BL/22-008WC Shad Funk

Date: 5/13/2022



-77.52117980	34.45806084
-77.52243363	34.45714717
-77.52328146	34.45780784
-77.52208646	34.45867284

34 27.62037028N
77 31.32618775W

34 27.48365031N
77 31.27078775W

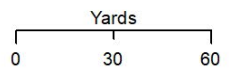
34 27.46847029N
77 31.39688773W

34 27.42883030N
77 31.34601773W



- ▲ Proposed Corner Points
- Proposed Lease Area

Acreage: 3.93



Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



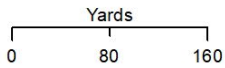
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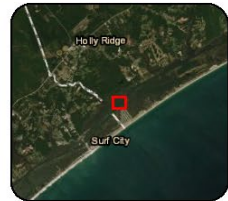


 Proposed Lease Area

Acreage: 3.93

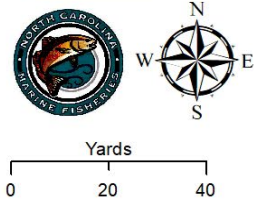
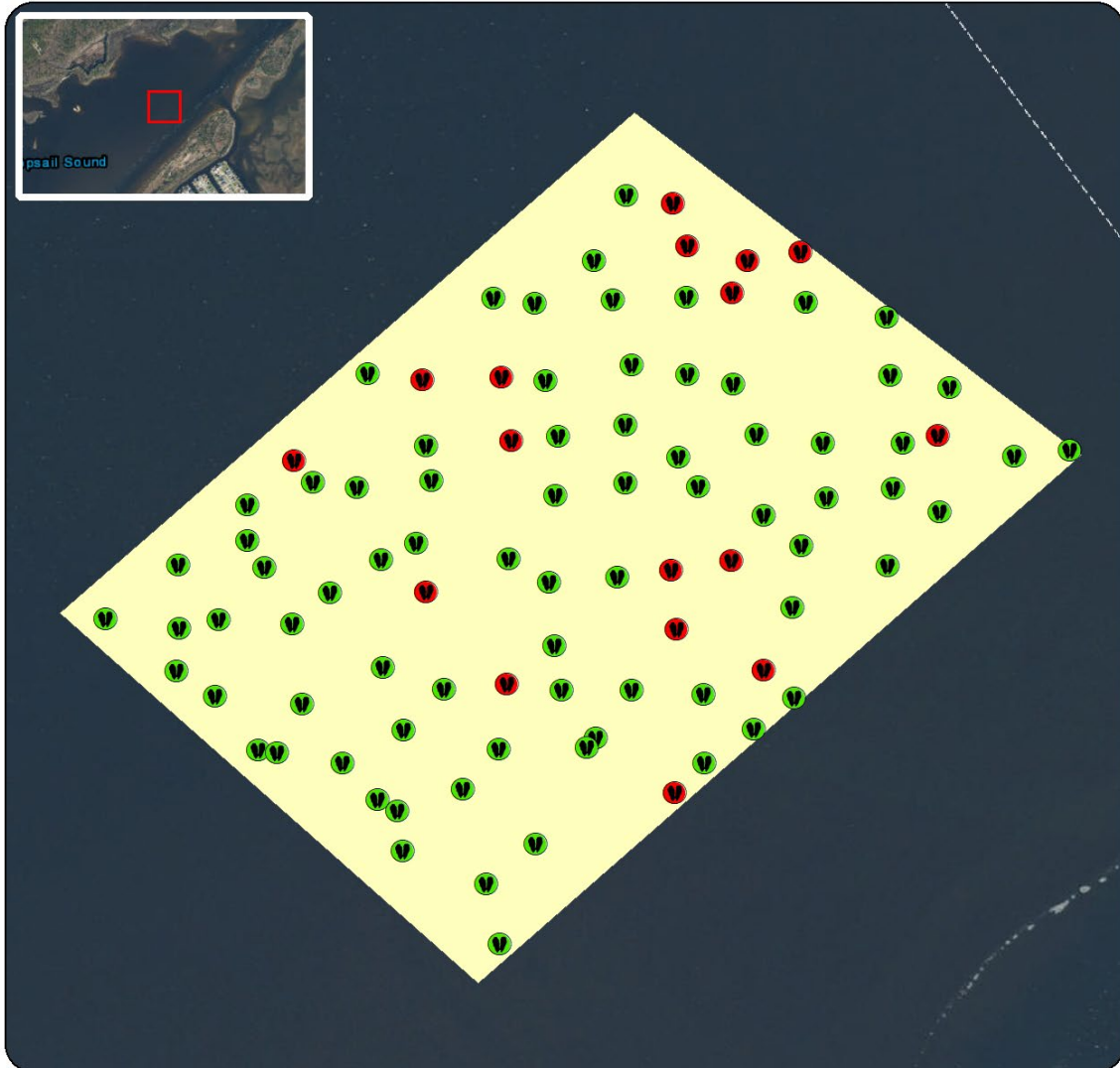





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-  No Bivalve Shellfish Present
-  Bivalve Shellfish Present
-  Proposed Lease Area

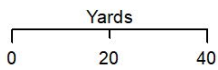
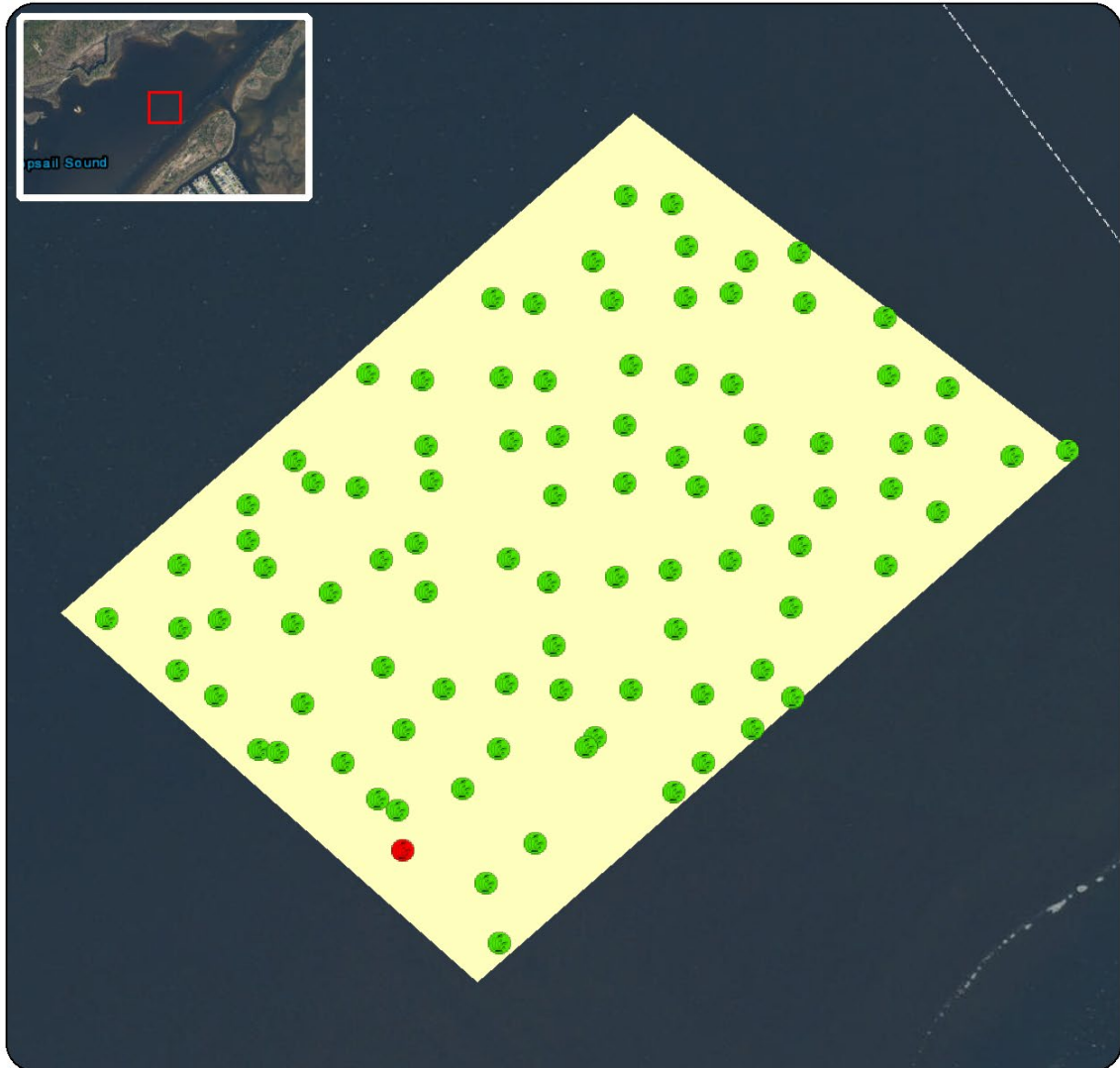
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- No SAV Present
- SAV Present
- Proposed Lease Area

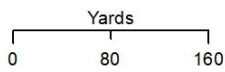
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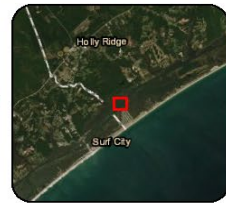
Date: 5/13/2022



- Submerged Aquatic Vegetation
- Proposed Lease Area

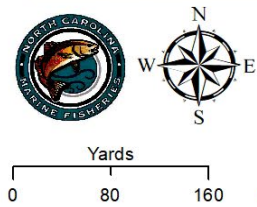
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Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



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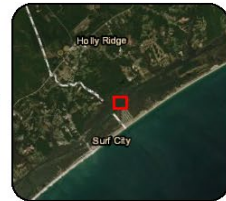
Date: 5/13/2022



- Culch Planted Site
- Proposed Lease Area

Acreage: 3.93


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 Shad Funk


Date: 5/13/2022





Yards

0 80 160

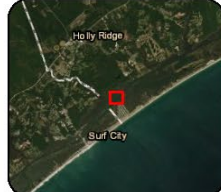


Lease Type

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

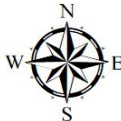
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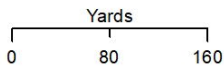
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- Proposed Lease Area
- Federal Navigation Channel

Acreage: 3.93



Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



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