

Shellfish Lease Investigation Report	
Investigation Date	5/18/2022
Applicants name	Julian Fenner
Lease Number	22-011BL/22-012WC
County	Onslow
Waterbody/location	Mainland Areas (Topsail Sound)
Proposed Lease Size (acres)	3.90
Lease Type	Bottom/Water Column
Investigation Team	R. Farnell/A. Frost/S. Tripp/D. Walters
Gear Used	766 - Patent Tong
Sediment Type	7 - sandy mud
Bottom Composition	O - no grass
Depth (m)	0.75
Tidal Stage	High
Water Temperature (°C)	24.9
Salinity (ppt)	35.9
Dissolved Oxygen (mg/L)	5.7
Comments on SAV in or around Proposed Lease location	
Other Species Collected	
In PNA?	Yes
In Polluted Area?	No: Conditionally Approved - Open
In Mechanical Clam Harvest Area?	No
In Mechanical Methods Prohibited Area	Yes
Other Comments	

Application Coordinates		Modified Application Coordinates		Actual Coordinates	
34.45937000	-77.52136000	34.45935900	-77.52126800	34.45873350	-77.52039033
34.45877000	-77.52045000	34.45872600	-77.52039200	34.45933683	-77.52126400
34.45996000	-77.51929000	34.45987100	-77.51916800	34.46030017	-77.52002633
34.46035000	-77.52017000	34.46029400	-77.52002600	34.45987750	-77.51915983

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Julian Fenner

Proposed Lease #: 22-011BL/22-012WC

Date: 5/18/2022

Lease size: 3.9 acres # of Samples: 99

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	5/18/2022	NA	O - no grass	- sandy mud
2	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
3	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
4	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
5	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
6	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
7	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
8	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
9	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
10	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
11	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
12	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
13	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
14	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
15	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
16	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
17	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
18	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
19	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
20	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
21	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
22	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
23	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
24	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
25	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
26	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
27	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
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66	0	0	1	0	5/18/2022	NA	O - no grass	- sandy mud
67	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
68	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
69	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
70	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
71	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
72	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
73	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
74	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
75	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
76	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud
77	0	0	0	0	5/18/2022	NA	O - no grass	- sandy mud

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Julian Fenner

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Date: 5/18/2022

Lease size: 3.9 acres # of Samples: 99

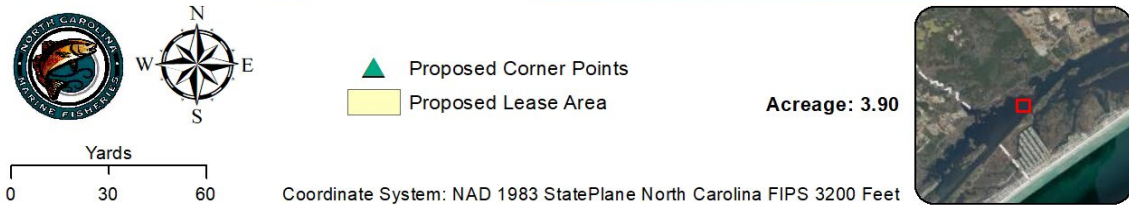
Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
78	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
79	0	0	1	0	5/18/2022	NA	O - no grass	f - sandy mud
80	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
81	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
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84	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
85	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
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88	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
89	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
90	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
91	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
92	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
93	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
94	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
95	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
96	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
97	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
98	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
99	0	0	0	0	5/18/2022	NA	O - no grass	f - sandy mud
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	0				0%	OF SAMPLES CONTAINED SAV		
TOTAL OF EACH SPECIES		1	2	0				
TOTAL BUSHELS PER SPECIES		0.003333333	0.005	0	0.340656566	TOTAL BUSHELS OF SHELLFISH PER ACRE		

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Date: 5/20/2022



-77.51915763	34.45987067
-77.52038813	34.45872667
-77.52126180	34.45933000
-77.52002413	34.46029334



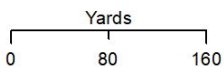
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Proposed Lease Area

Acreage: 3.90

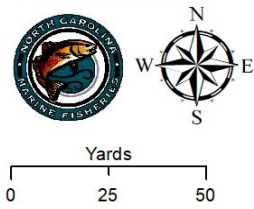
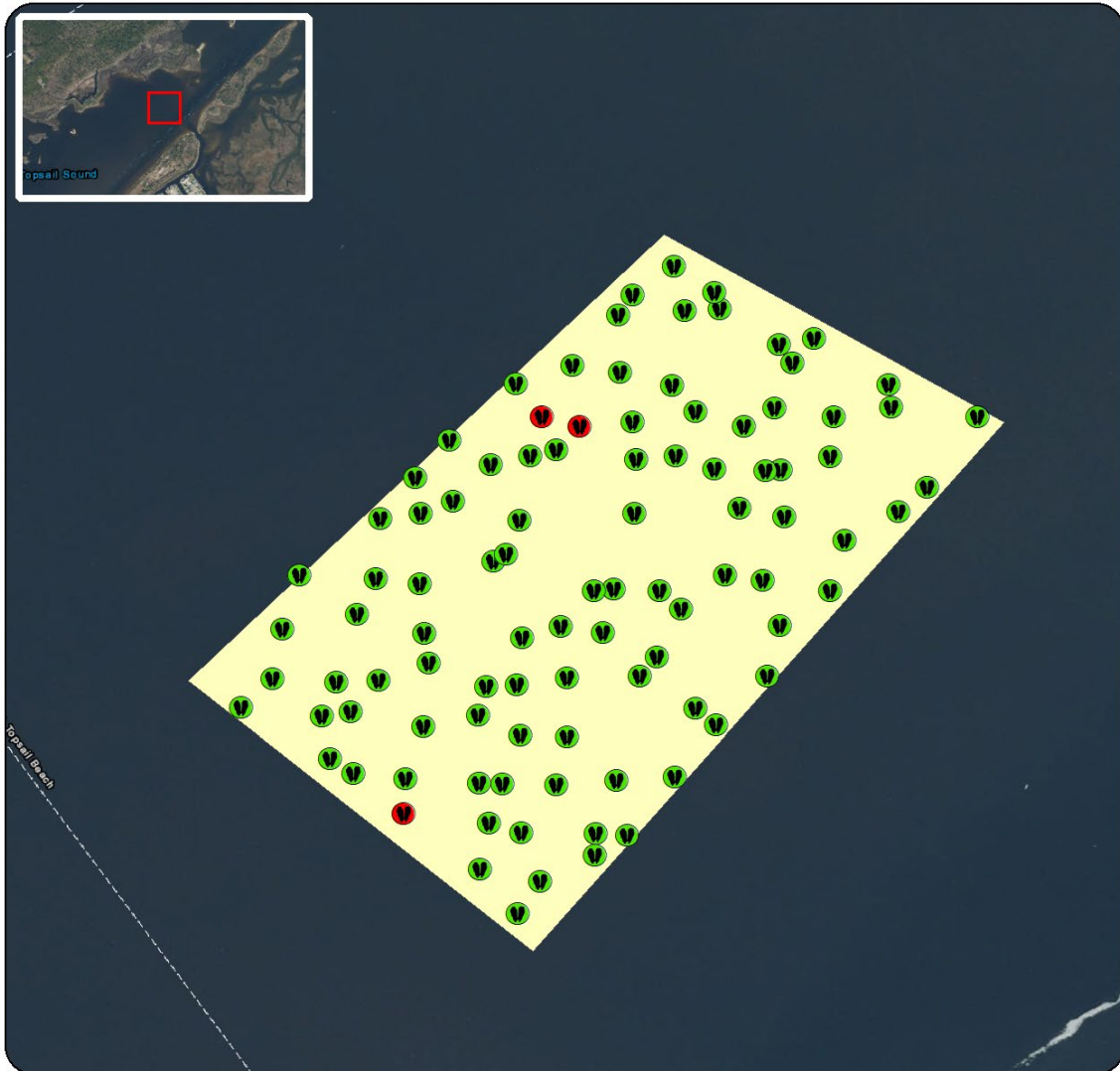





Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



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

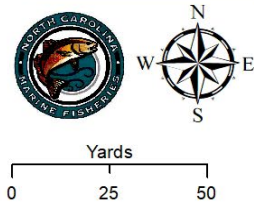
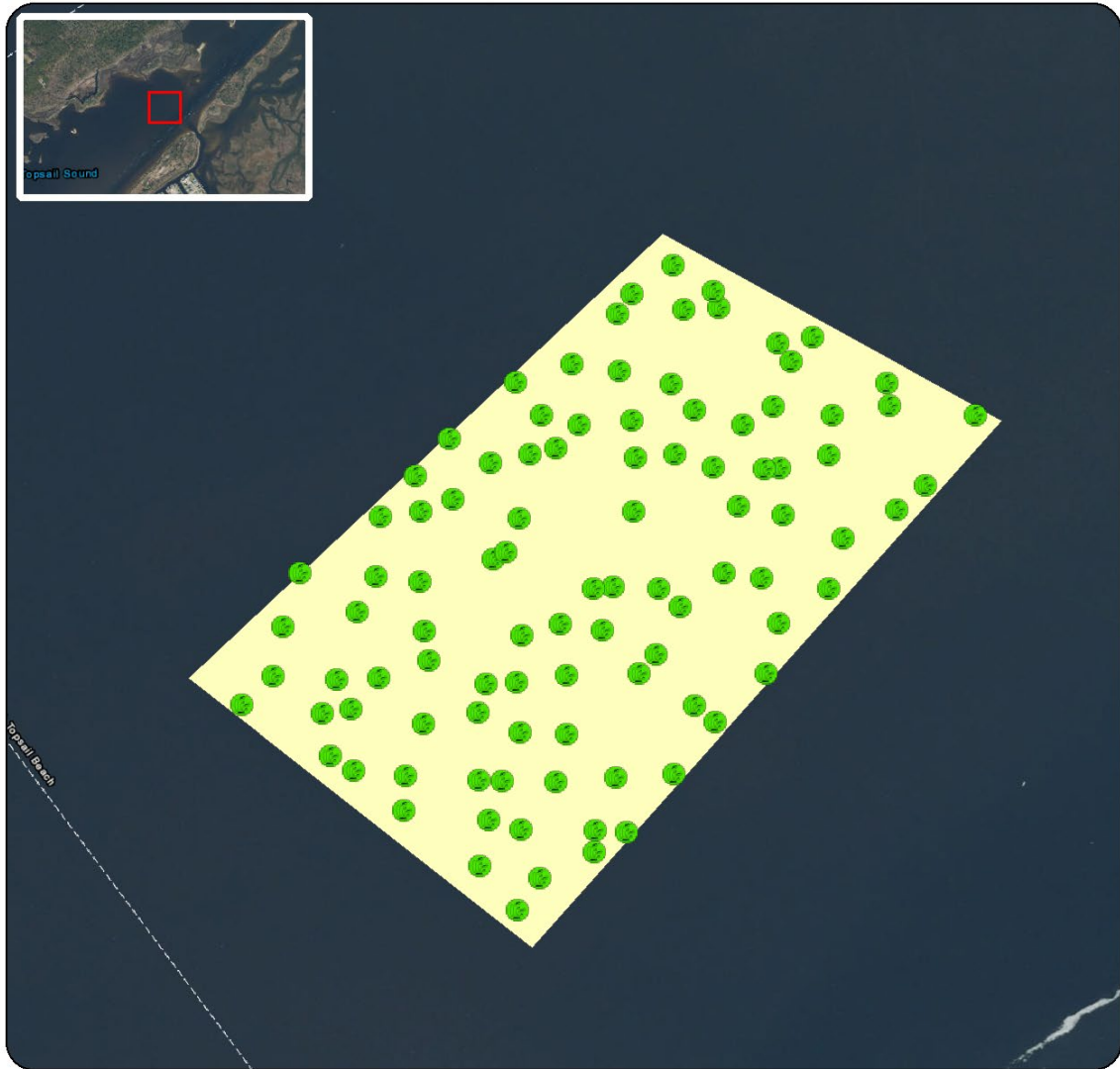
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- No SAV Present
- Proposed Lease Area

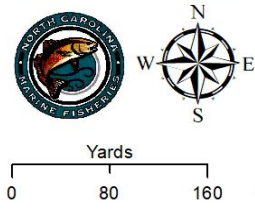
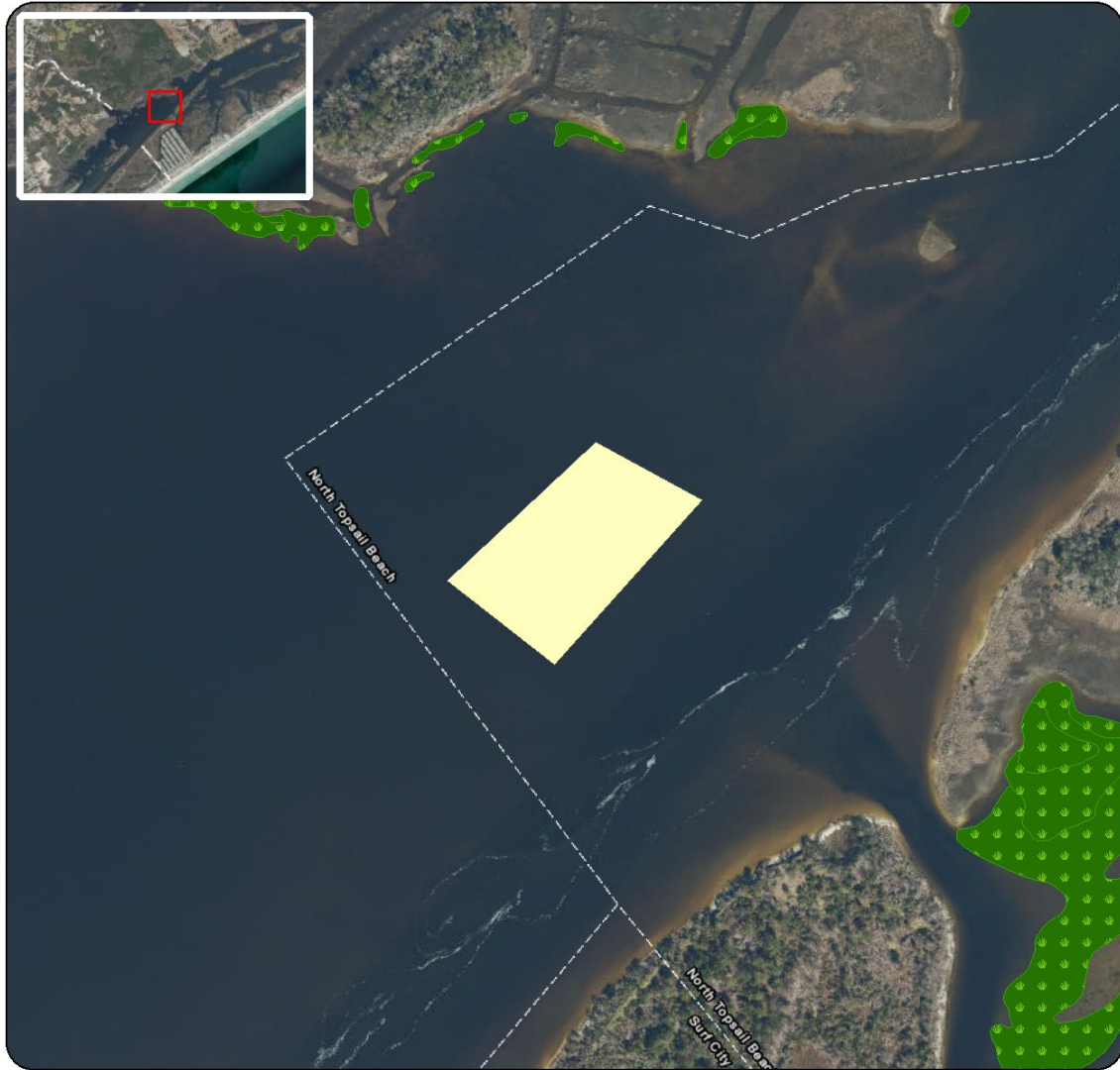
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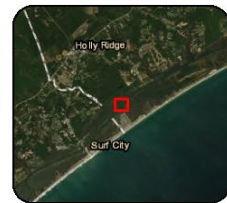
Date: 5/20/2022



- Submerged Aquatic Vegetation
- Proposed Lease Area

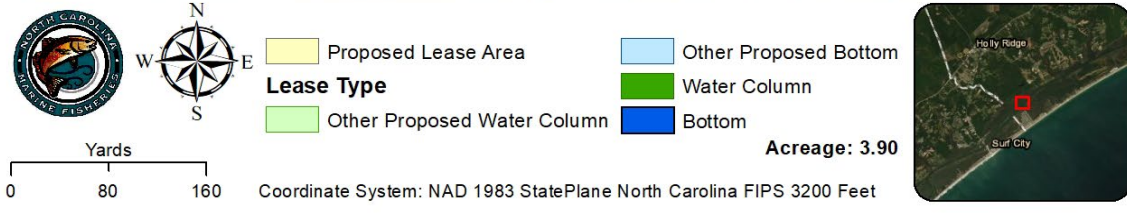
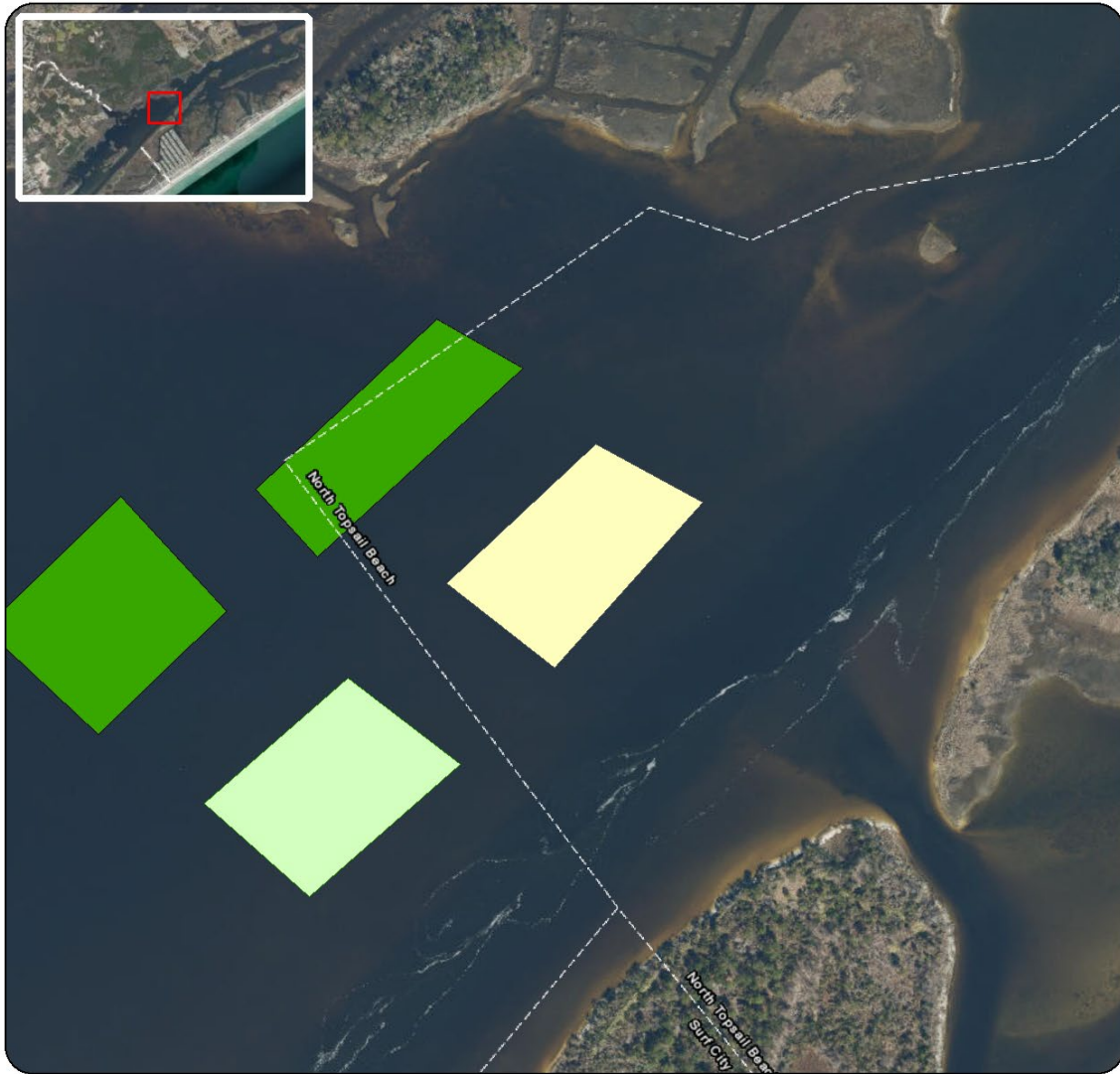
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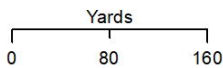
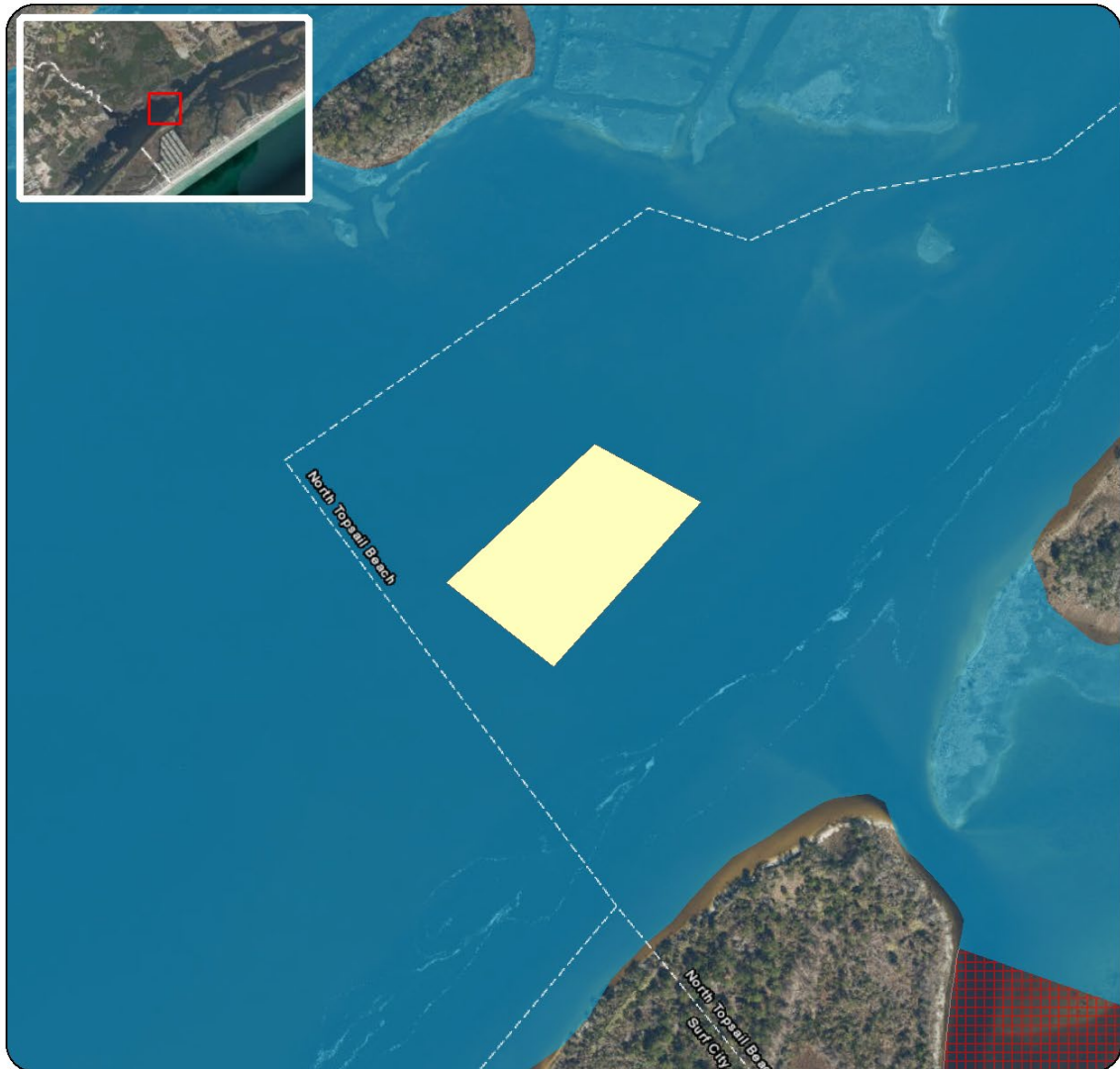
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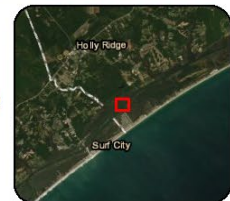
Date: 5/20/2022



- Proposed Lease Area
- Conditionally Approved - Open
- Restricted

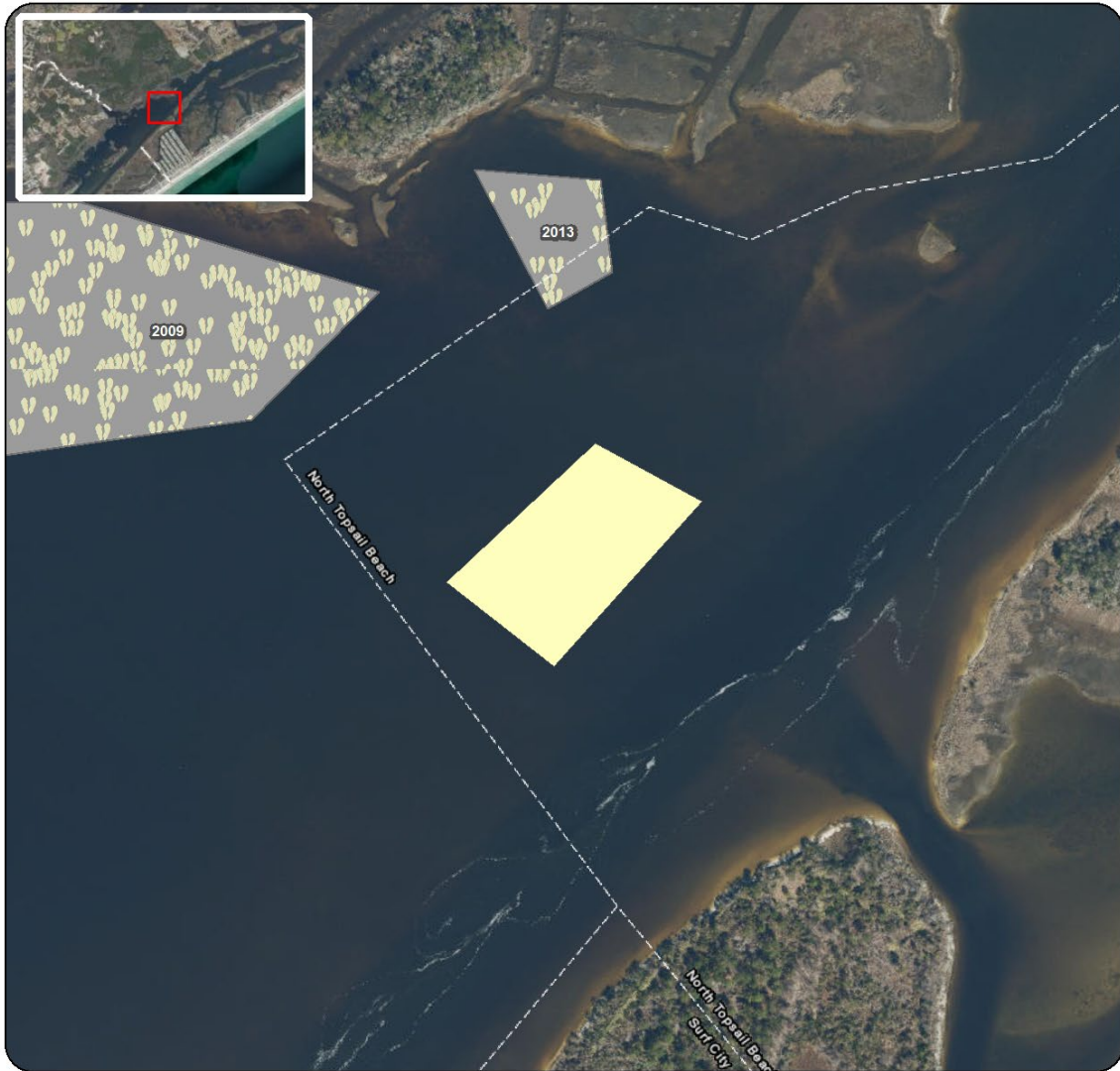
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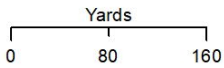
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- Cultch Planted Site
- Proposed Lease Area

Acreage: 3.90



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