

Shellfish Lease Investigation Report	
Investigation Date	5/4/2021
Applicants name	Joshua Dunn
Lease Number	21-004BL/21-005WC
County	Onslow
Waterbody/location	Mainland Areas (near Topsail Sound)/1301000000
Proposed Lease Size (acres)	3.52
Lease Type	Bottom/Water Column
Investigation Team	A. Frost/A. Wells
Gear Used	766 - Patent Tong
Sediment Type	7 - sandy mud
Bottom Composition	O - no grass
Depth (m)	1
Tidal Stage	Falling
Water Temperature (°C)	22.7
Salinity (ppt)	34
Dissolved Oxygen (mg/L)	5.2
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 Coordinates		Actual Coordinates	
34.46057000	-77.52329000	34.46083351	-77.52067568	34.46083333	-77.52062250
34.45979000	-77.52239000	34.45957289	-77.52228567	34.45953833	-77.52232517
34.46063000	-77.52124000	34.45994725	-77.52280102	34.46001517	-77.52281767
34.46123000	-77.51972000	34.46124089	-77.52126188	34.46118783	-77.52131667
34.46158000	-77.52001000				
34.46076000	-77.52188000				
34.46109000	-77.52262000				

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Joshua Dunn

Proposed Lease #: 21-004BL/21-005WC

Date: 5/4/2021

Lease size: 3.52 acres # of Samples: 84

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	5/4/2021	NA	O - no grass	7 - sandy mud
2	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
3	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
4	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
5	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
6	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
7	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
8	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
9	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
10	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
11	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
12	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
13	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
14	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
15	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
16	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
17	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
18	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
19	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
20	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
21	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
22	0	0	1	0	5/4/2021	NA	O - no grass	7 - sandy mud
23	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
24	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
25	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
26	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
27	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
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69	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
70	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
71	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
72	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
73	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
74	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
75	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
76	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
77	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
78	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
79	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: Joshua Dunn

Proposed Lease #: 21-004BL/21-005WC

Date: 5/4/2021

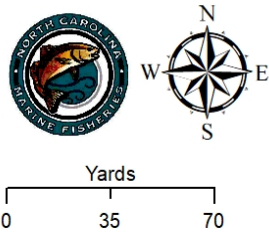
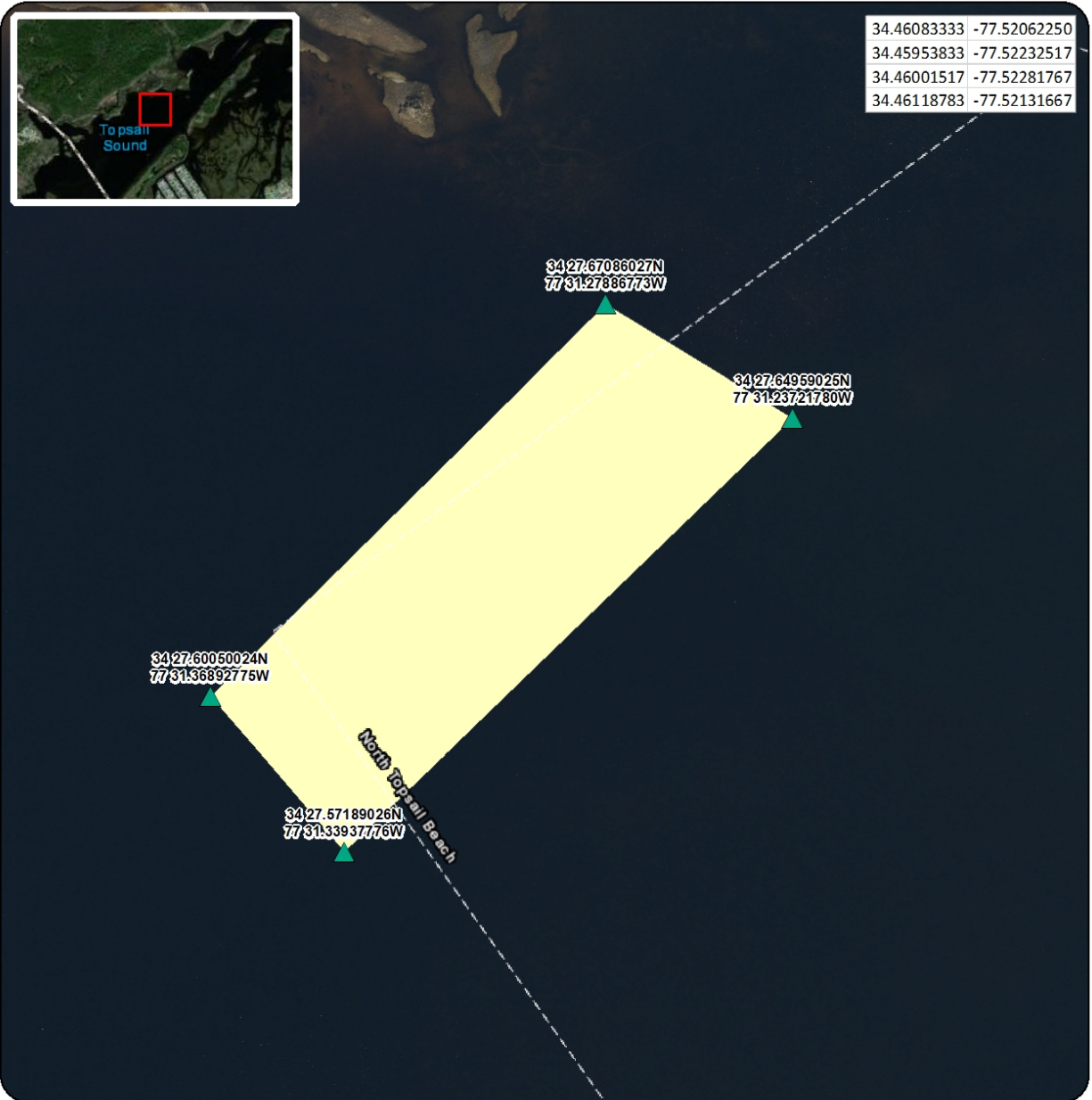
Lease size: 3.52 acres



of Samples: 84

Sample #	Presence of SAV/Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
80	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
81	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
82	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
83	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
84	0	0	0	0	5/4/2021	NA	O - no grass	7 - sandy mud
	SAV	Oysters (Eastern Oyster)	Clams (Quahogs)	Scallops				
	0				0%	OF SAMPLES CONTAINED SAV		
TOTAL OF EACH SPECIES		0	3	0				
AL BUSHELS PER SPECIES		0	0.0075	0	0.361339286	TOTAL BUSHELS OF SHELLFISH PER ACR		

Proposed Lease ID/Number: 21-004BL/21-005WC Joshua Dunn

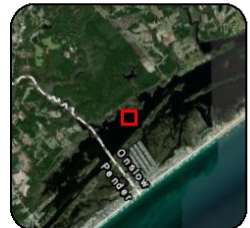
Date: 5/12/2021



-  Proposed Corner Points
-  Proposed Lease Area

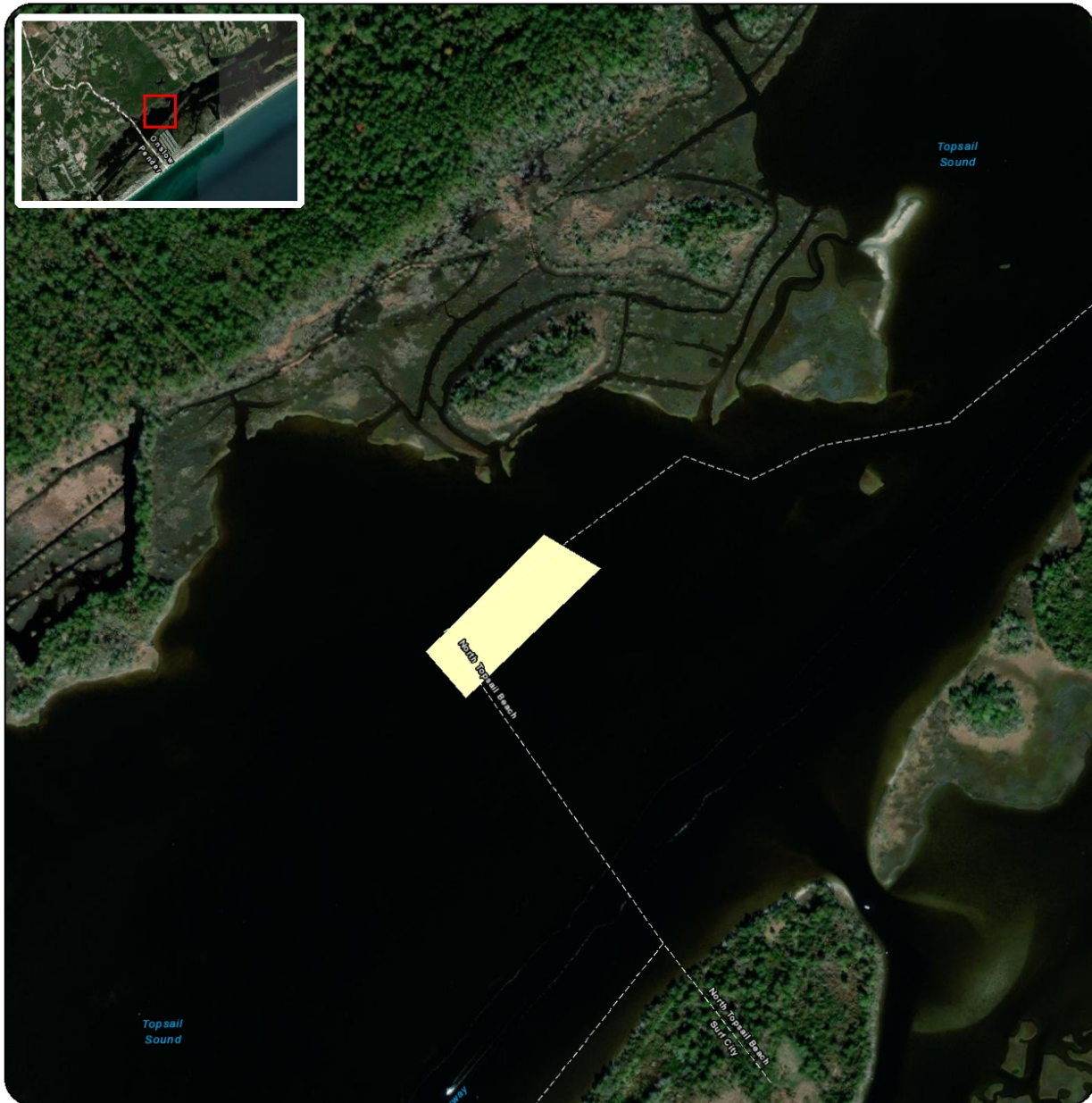
Acreage: 3.52

Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



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Joshua Dunn

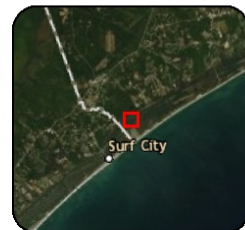
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Proposed Lease Area

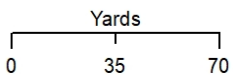
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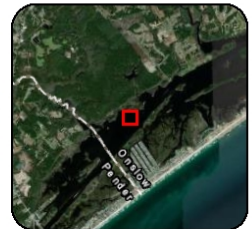
Date: 5/12/2021



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

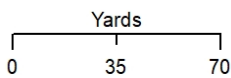
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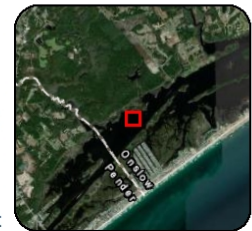
Date: 5/12/2021



- No SAV Present
- Proposed Lease Area

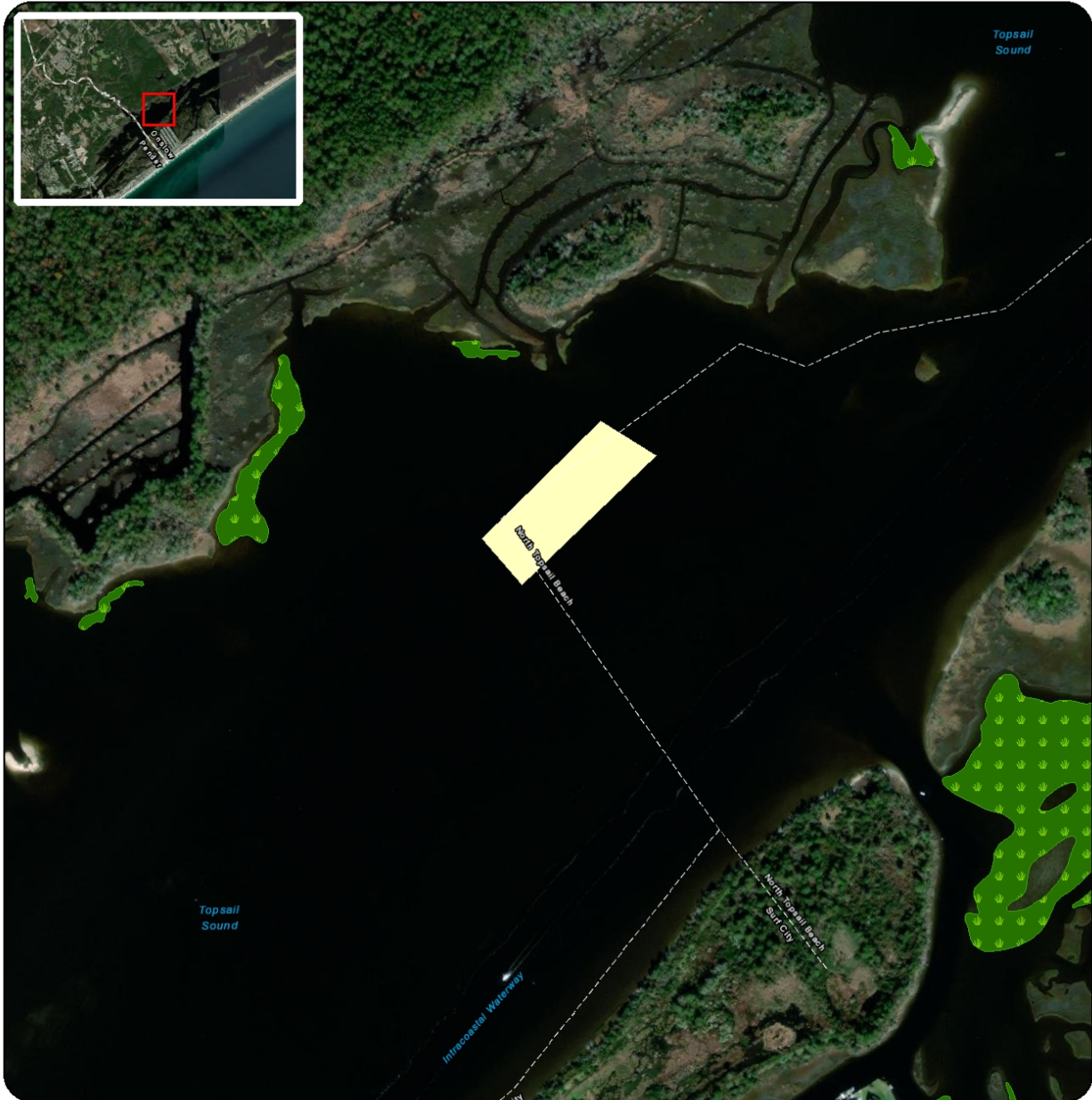
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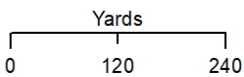
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Date: 5/12/2021

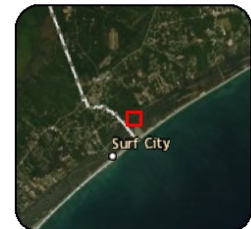


- Proposed Lease Area
- Submerged Aquatic Vegetation

Acreage: 3.52



Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



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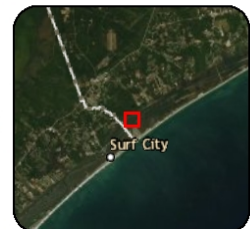
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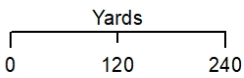
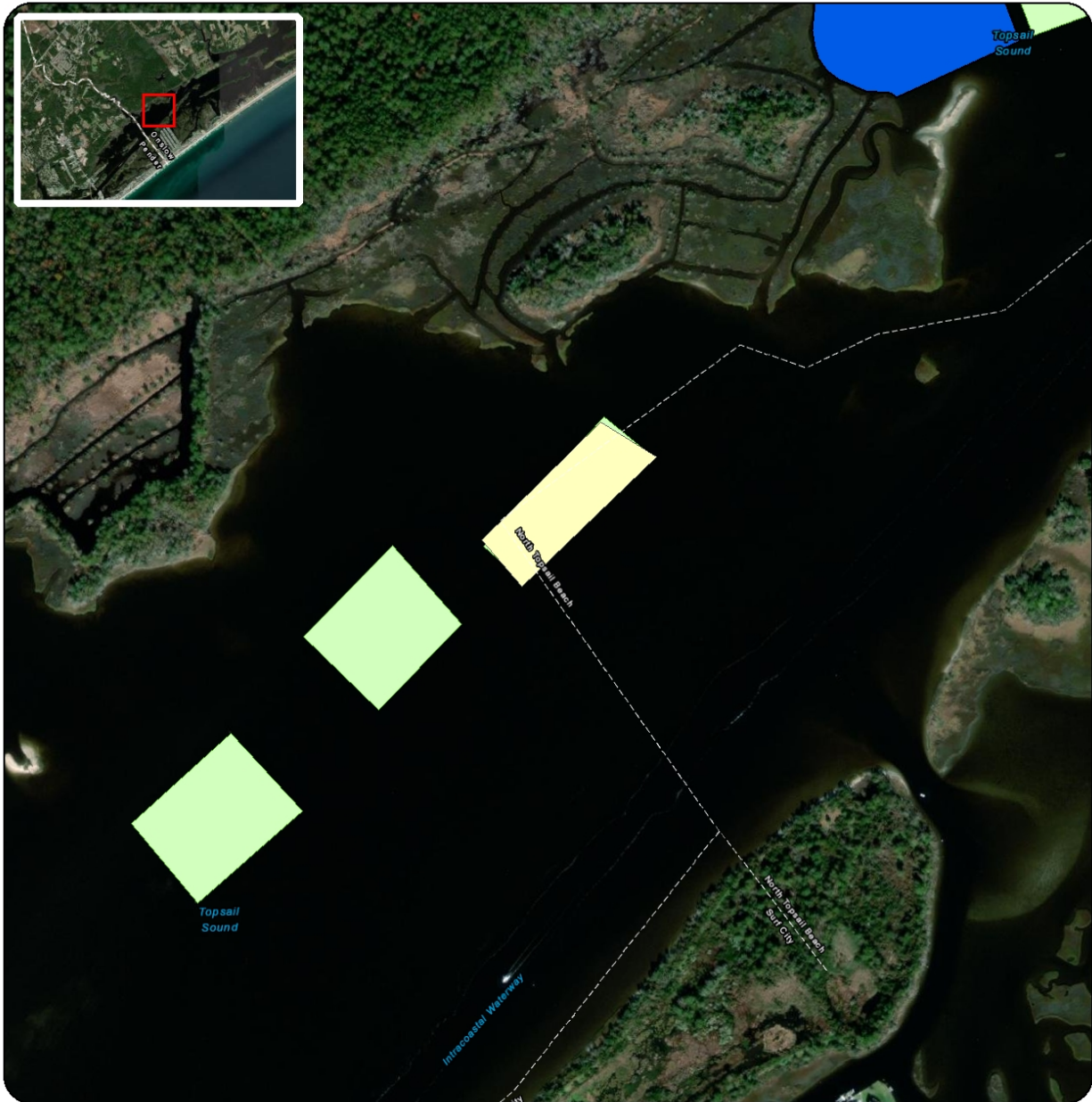
- Proposed Lease Area
- Conditionally Approved - Open
- CSHA - Prohibited
- Restricted

Acreage: 3.52



Proposed Lease ID/Number: 21-004BL/21-005WC
 Joshua Dunn

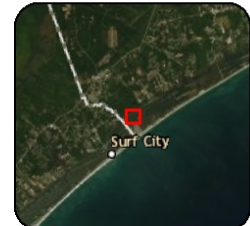
Date: 5/12/2021



- Proposed Lease Area
- Lease Type**
- Other Proposed - Water Column
- Other Proposed - Bottom
- Bottom

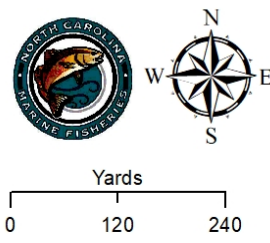
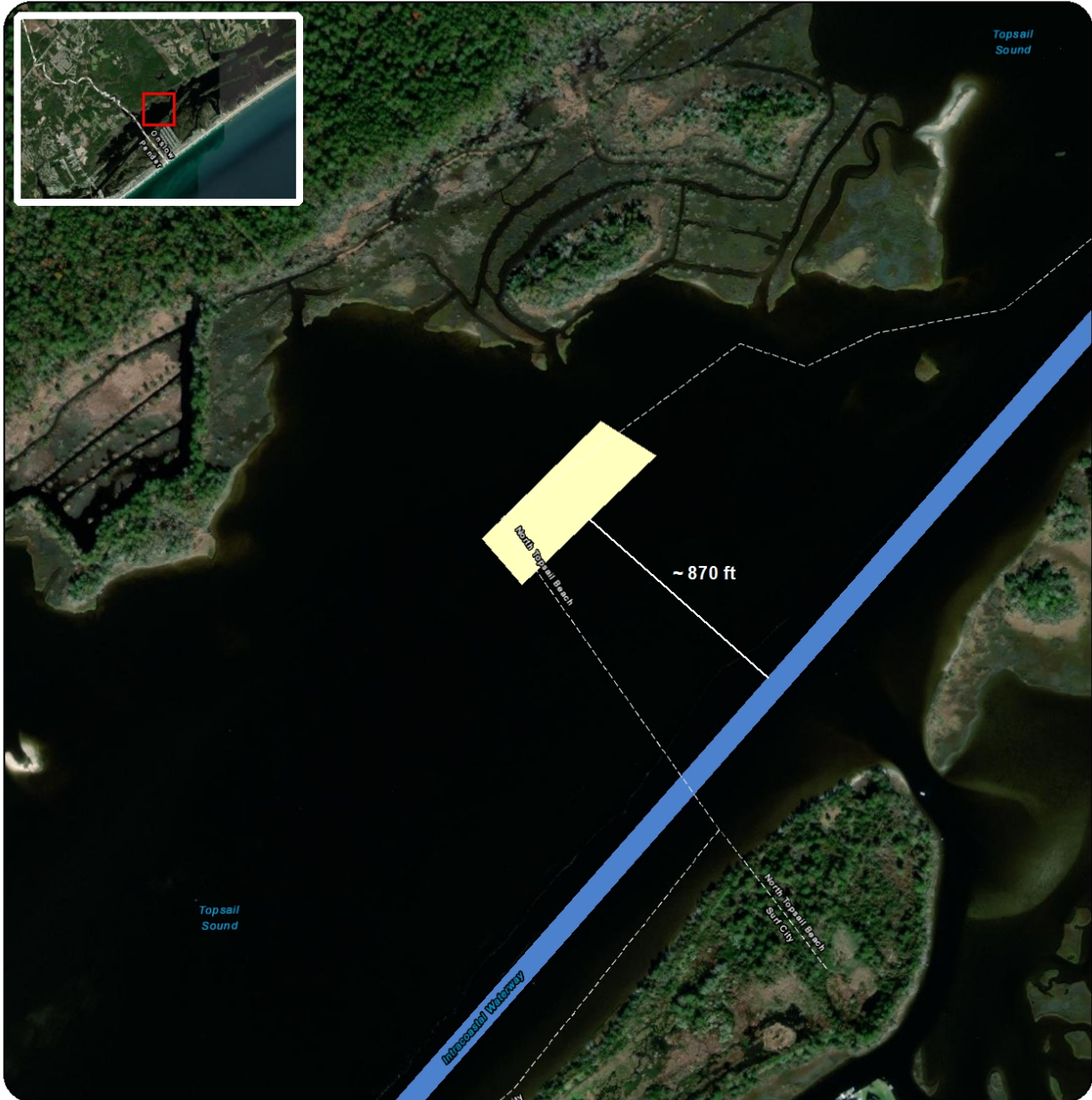
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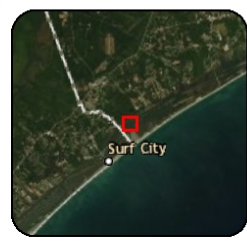
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Joshua Dunn

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Proposed Lease Area
Federal Navigation Channel

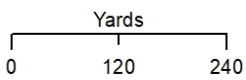
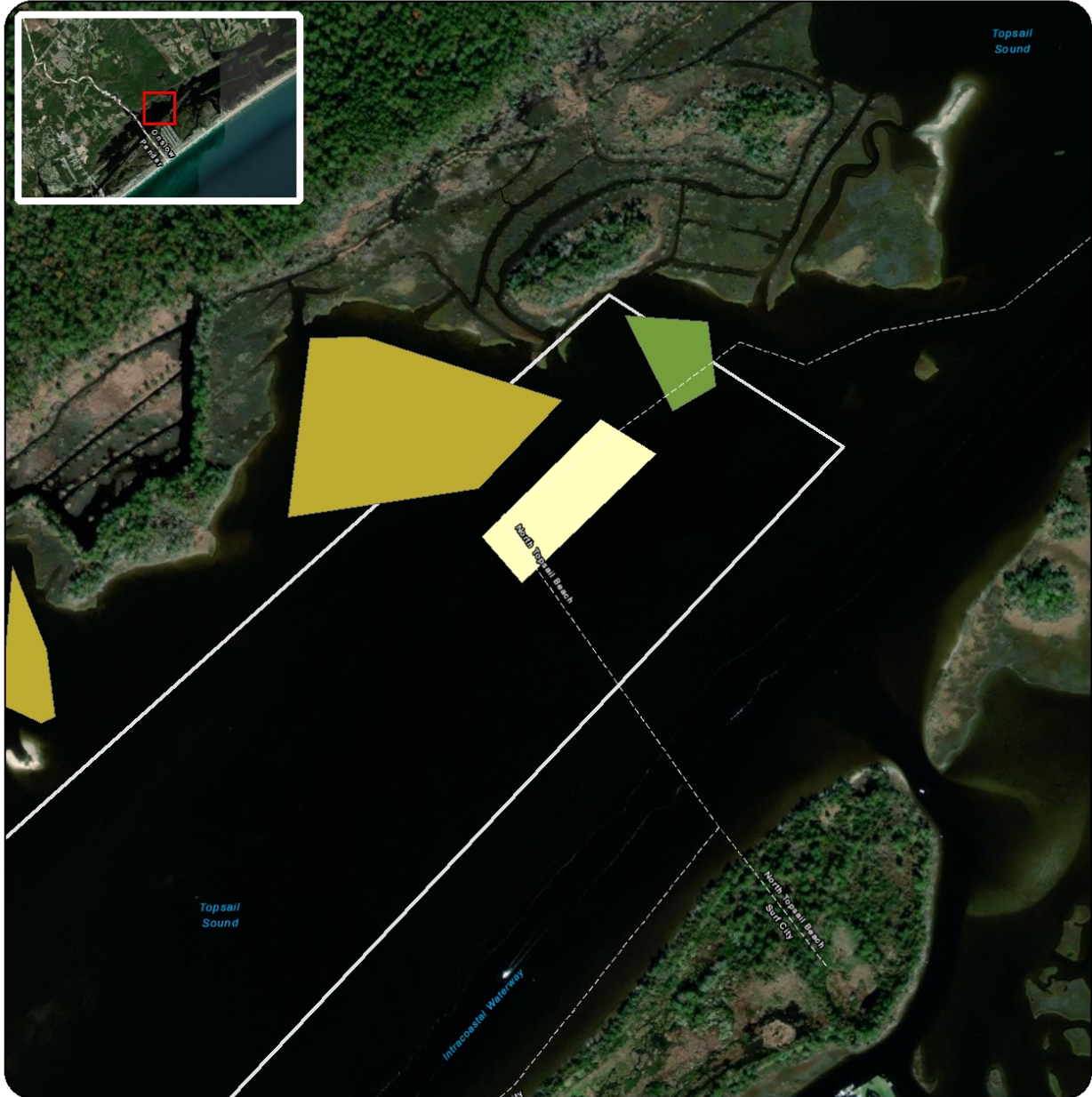
Acreage: 3.52



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Proposed Lease ID/Number: 21-004BL/21-005WC
Joshua Dunn

Date: 5/12/2021



- Proposed Lease Area
- Planting Site (Year)**
 - 2009
 - 2013
- Cultch Planting Permit Area

Acreage: 3.52

Coordinate System: NAD 1983 StatePlane North Carolina FIPS 3200 Feet



