

Shellfish Lease Investigation Report	
Investigation Date	5/10 & 5/11, 2021
Applicants name	8th Wonder Oyster Company, LLC - Robert Graham
Lease Number	21-006BL/21-007WC
County	Onslow
Waterbody/location	Permuda Island Bay/1302030000
Proposed Lease Size (acres)	9.77
Lease Type	Bottom/Water Column
Investigation Team	A. Frost/S. Tripp/D. Walters/A. Wells
Gear Used	766 - Patent Tong
Sediment Type	7 - sandy mud
Bottom Composition	O - no grass
Depth (m)	0.5
Tidal Stage	Rising
Water Temperature (°C)	22.3
Salinity (ppt)	31.5
Dissolved Oxygen (mg/L)	6.25
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	Crabpots throughout lease

Application Coordinates		Investigation Coordinates		Actual Coordinates	
34.46933800	-77.48707600	34.46772933	-77.48871917	34.46772933	-77.48871917
34.46948500	-77.48903900	34.46949317	-77.48905250	34.46858133	-77.48575117
34.46772600	-77.48869300	34.46933883	-77.48708217	34.46986783	-77.48650750
34.46858800	-77.48579900	34.46858133	-77.48575117	34.46931100	-77.48706967
34.46991800	-77.48652300	34.46991050	-77.48654383	34.46944333	-77.48903500

Proposed Shellfish Lease Biological Investigation Sampling Data

Applicant: 8th Wonder Oyster Company,
LLC - Robert Graham

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Date: 5/10 & 5/11, 2021

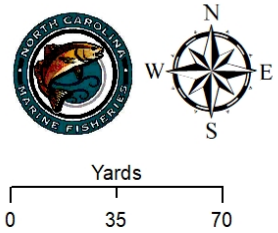
Lease size: 9.77 acres

of Samples: 248

Sample #	Presence of SAV Density class	# of Oysters (Eastern Oyster)	# of Clams (Quahogs)	# of Scallops	Date collected	Comments	Bottom Comp.	Sediment Type
238	0	0	0	0	5/10 & 5/11, 2021	NA	O - no grass	7 - sandy mud
239	0	0	0	0	5/10 & 5/11, 2021	NA	O - no grass	7 - sandy mud
240	0	0	0	0	5/10 & 5/11, 2021	NA	O - no grass	7 - sandy mud
241	0	0	0	0	5/10 & 5/11, 2021	NA	O - no grass	7 - sandy mud
242	0	0	0	0	5/10 & 5/11, 2021	NA	O - no grass	7 - sandy mud
243	0	0	0	0	5/10 & 5/11, 2021	NA	O - no grass	7 - sandy mud
244	0	0	0	0	5/10 & 5/11, 2021	NA	O - no grass	7 - sandy mud
245	0	0	0	0	5/10 & 5/11, 2021	NA	O - no grass	7 - sandy mud
246	0	0	0	0	5/10 & 5/11, 2021	NA	O - no grass	7 - sandy mud
247	0	0	0	0	5/10 & 5/11, 2021	NA	O - no grass	7 - sandy mud
248	0	0	0	0	5/10 & 5/11, 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		7	2	0				
TOTAL BUSHELS PER SPECIES		0.023333333	0.005	0	0.462358871	TOTAL BUSHELS OF SHELLFISH PER ACRE		

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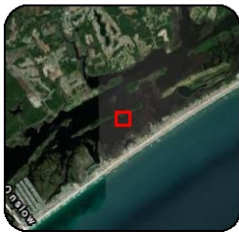
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▲ Proposed Corner Points
 ■ Proposed Lease Area

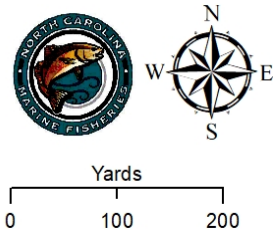
Acreage: 9.77


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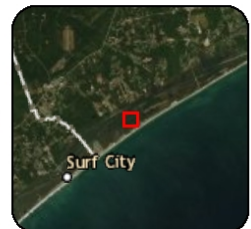
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 Proposed Lease Area

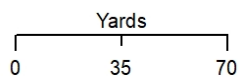
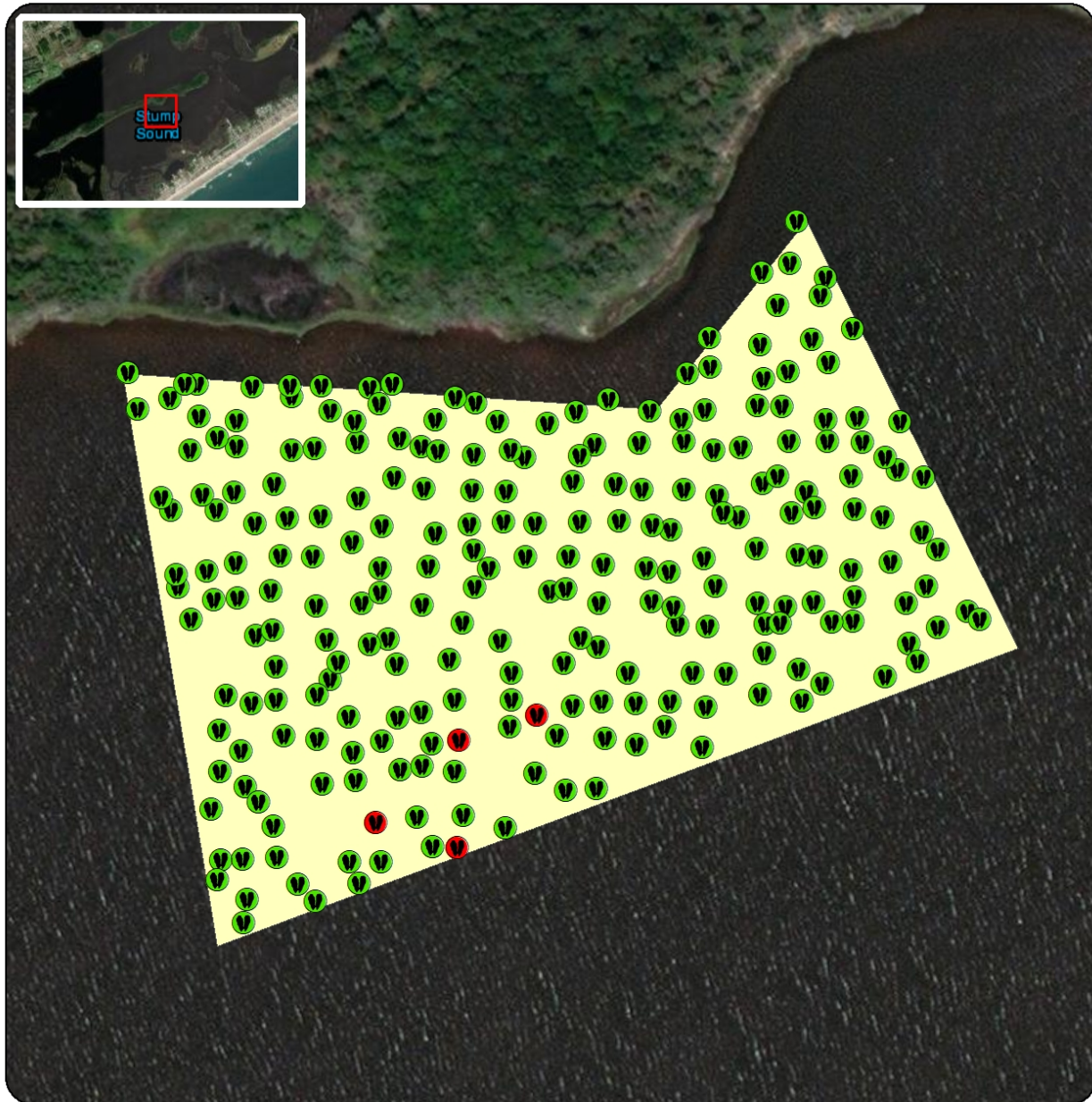
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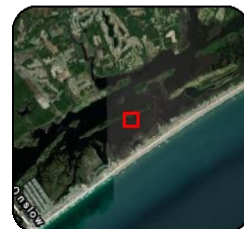
Date: 5/19/2021



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

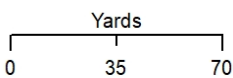
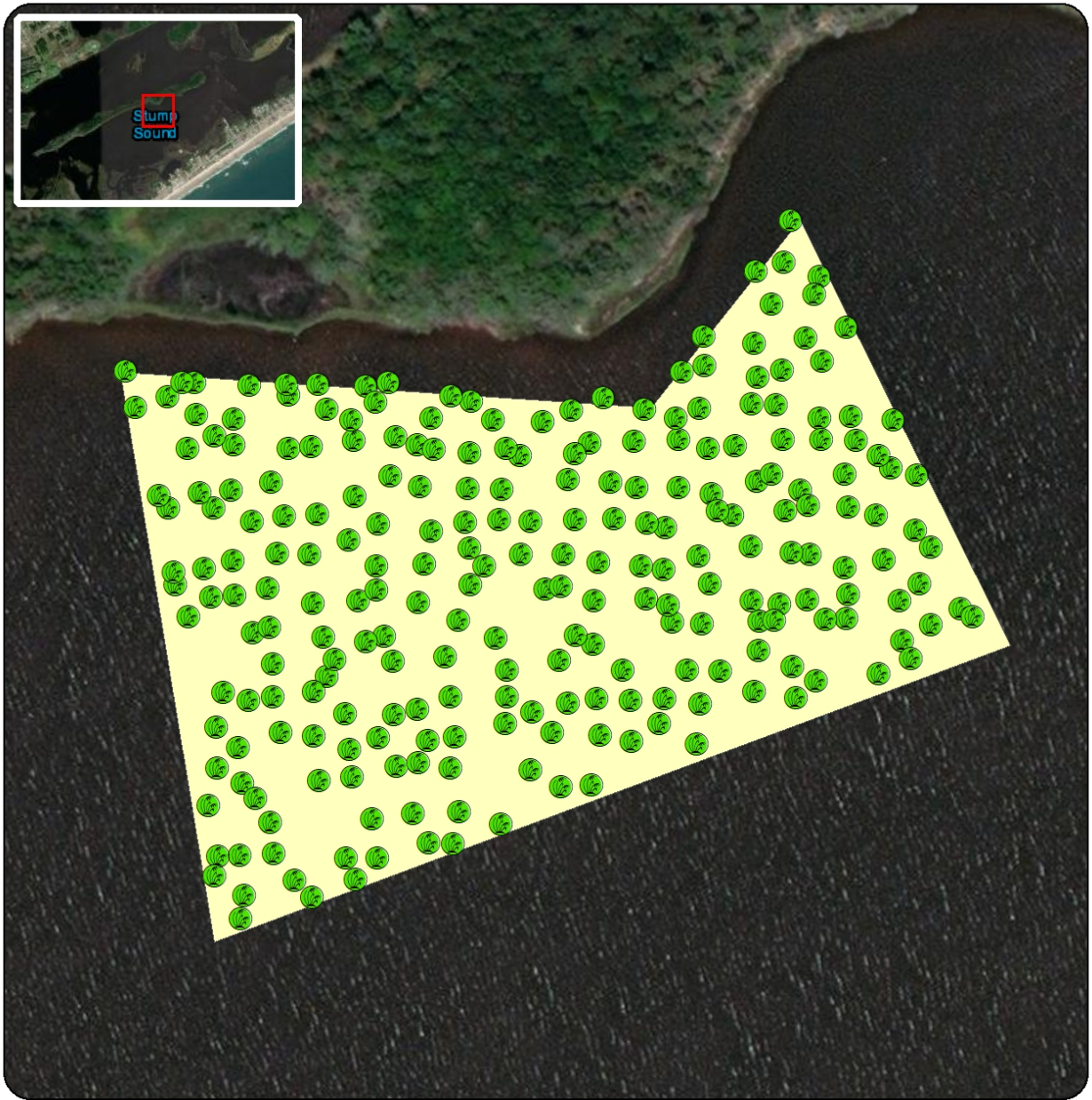
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
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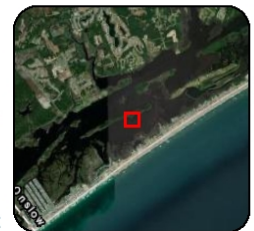
Date: 5/19/2021



-  No SAV Present
-  Proposed Lease Area

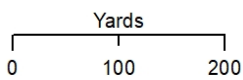
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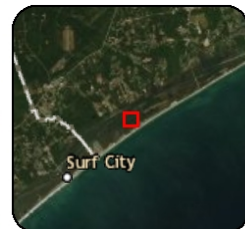
Date: 5/20/2021



- Proposed Lease Area
- Conditionally Approved - Open

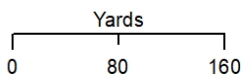
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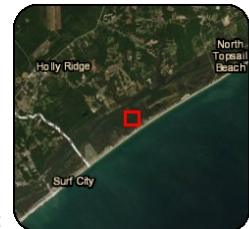
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- Proposed Lease Area
- Lease Type**
- Other Proposed Water Column
- Other Proposed Bottom
- Water Column
- Bottom

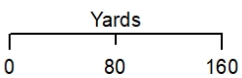
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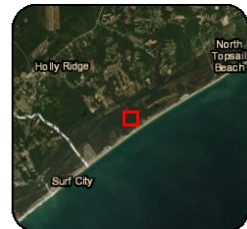
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-  Proposed Lease Area
-  NC Coastal Reserves

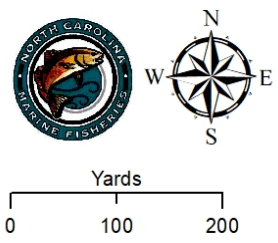
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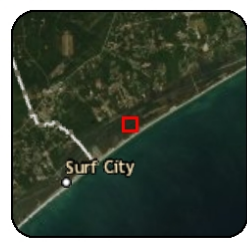
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- Proposed Lease Area
- Planting Sites (Year)**
 - 2009
 - 2015
- Cultch Planting Permit Area

Acreage: 9.77

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PROPOSED SHELLFISH
BOTTOM LEASE 21.000000
WATER COLUMN 21.000000
8" WATERSHED 0.000000
ROBERT GRAHAM LIMITED
MAY 26, 2011
5.00 ACRES
FOR ADDITIONAL INFORMATION CALL
1-800-368-7263